

# Converting Colors

XYZ(72.2513, 83.3425, 94.9046)

Have a look what the booklet for  
XYZ(72.2513, 83.3425, 94.9046)  
contains.

<b>XYZ(72.1663, 83.4101, 94.7343)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(72.1663, 83.4101,  
94.7343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F4F0
RGB	201, 244, 240
RGB Percent	79%, 96%, 94%
CMY	0.2118, 0.0431, 0.0588
CMYK	0.18, 0.00, 0.02, 0.04
HSL	174°, 66%, 87%
HSV	174°, 18%, 96%
XYZ	72.1663, 83.4101, 94.7343
YIQ	230.6870, -24.3440, -10.3600

# Conversions

## Conversions Part 2

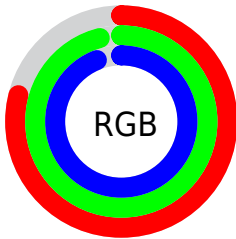
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 224, 244
Decimal	13235440
CIE <sub>Lab</sub>	93.19, -14.52, -2.67
CIE <sub>LCh</sub>	93, 14.761, 190.410
Yxy	83.4101, 0.2883, 0.3332
Android (android.graphics.Color)	4291425520 (0xFFC9F4F0)
YUV	230.6870, 4.5913, -26.0355
Hunter-Lab	91.3291, -18.7791, 2.4298

# Details

The XYZ color **72.1663, 83.4101, 94.7343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.2173, 65.4166, 66.7398**, and the grayscale version is **75.7049, 79.6474, 86.7360**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4890, 45.5381, 52.1086** is the 20% darker color. If you saturate the color by 10%, you get **65.7861, 80.1620, 92.6868**, and if you desaturate by 10%, it is **79.5974, 87.2040, 96.8565**.

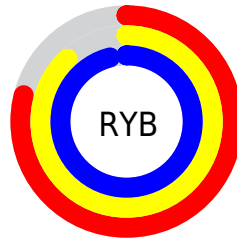
# Distribution



Red (79%)

Green (96%)

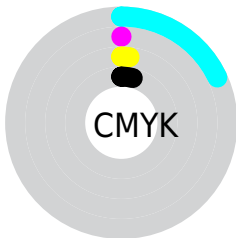
Blue (94%)



Red (79%)

Yellow (88%)

Blue (96%)

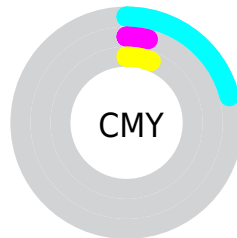


Cyan (18%)

Magenta (0%)

Yellow (2%)

Black (4%)



Cyan (21%)

Magenta (4%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1663, 83.4101, 94.7343 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 72.1663, 83.4101, 94.7343 by changing the saturation by 10% instead.




 72.1663, 83.4101,  
94.7343

 72.1663, 83.4101,  
94.7343

457.2689,  
506.3523, 564.2766

 53.5805, 62.5285,  
71.3182


121.3025,  
138.1497, 155.8899

 38.4957, 45.4599,  
52.1185


152.5835,  
172.7765, 194.4665

 26.5466, 31.8198,  
36.7166

188.8270,  
212.7538, 238.9336

 17.3678, 21.2239,  
24.6941

230.3983,  
258.4661, 289.7098

 10.5940, 13.2878,  
15.6324

277.6628,  
310.2977, 347.2137

 5.8598, 7.6270,  
9.1128

330.9859,

 2.7999, 3.8572,

368.6330, 411.8638

4.7170

390.7327,  
433.8564, 484.0786

■ 1.0488, 1.5940,  
2.0264

■ 0.0000, 0.3536,  
0.5714

■ 72.1663, 83.4101,  
94.7343

■ 72.1663, 83.4101,  
94.7343

■ 65.7861, 80.1620,  
92.6868

■ 79.5974, 87.2040,  
96.8565

■ 60.4006, 77.4239,  
90.7061


■ 88.1181, 91.5568,  
99.0501


■ 55.9591, 75.1720,  
88.7915


■ 90.3523, 92.6683,  
100.9717


■ 52.4037, 73.3764,  
86.9401


■ 90.7047, 92.8093,  
102.8275


 49.6699, 72.0039,  
85.1490


 91.0614, 92.9520,  
104.7059


 47.6846, 71.0168,  
83.4145

 91.4224, 93.0964,  
106.6069

 46.3617, 70.3707,  
81.7326

 91.6421, 93.1843,  
107.7640

 45.5868, 70.0065,  
80.0978

 45.4420, 69.9402,  
79.7143

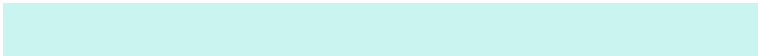
# Harmonies

## Analogous

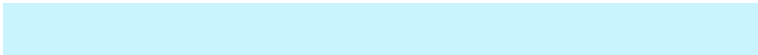
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4569, 83.4101, 83.8433



72.1663, 83.4101, 94.7343



73.7337, 83.4101, 105.3836

# Triad

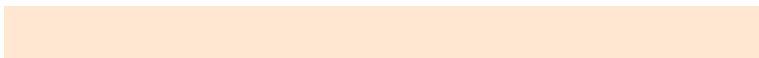
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1663, 83.4101, 94.7343



84.2132, 83.4101, 108.0761



81.8062, 83.4101, 72.1434

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



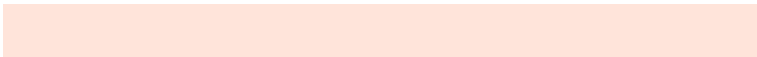
72.1663, 83.4101, 94.7343



69.2173, 65.4166, 66.7398

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0952, 83.4101, 77.6630



72.1663, 83.4101, 94.7343



86.5160, 83.4101, 98.1721

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1663, 83.4101, 94.7343



80.6342, 83.4101, 113.4925



86.8439, 83.4101, 87.0139



77.9386, 83.4101, 71.3870

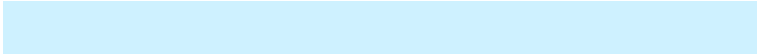


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



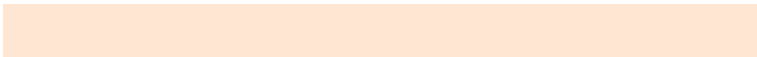
72.1663, 83.4101, 94.7343



75.6522, 83.4101, 110.6914



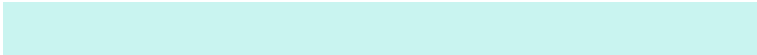
86.8439, 83.4101, 87.0139



83.0195, 83.4101, 73.4806

# Sweetspot

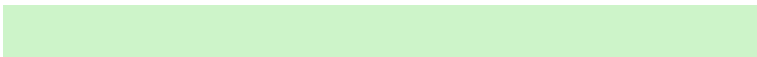
The Sweet Spot groups the original color and five complimentary colors.



72.1687, 83.4135, 94.7362



90.3233, 97.5853, 107.6844



68.1556, 81.9437, 67.4845



19.1960, 20.8174, 23.0127



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

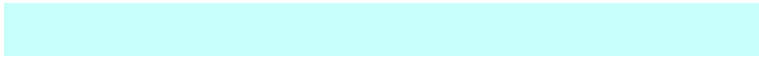


# Same Dimension

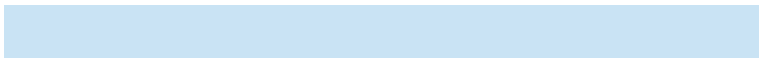
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1687, 83.4135, 94.7362



77.2262, 90.9030, 103.9306



67.8335, 73.7808, 96.2577



16.9263, 18.7297, 20.8961



24.7352, 38.0389, 43.4867



2.1930, 3.3509, 3.9223



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.2173, 65.4166, 66.7398



73.4252, 67.7208, 67.8715



72.9771, 73.6996, 65.6391



16.5618, 16.5076, 17.4389



20.3899, 10.4994, 1.4958

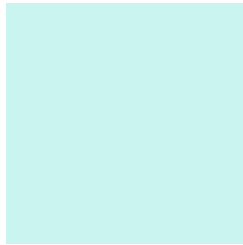


1.8129, 0.9311, 0.2410



# Previews

## White Background



This preview shows how the XYZ color 72.1663, 83.4101, 94.7343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

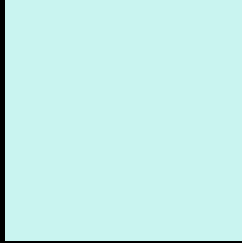
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1663, 83.4101, 94.7343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

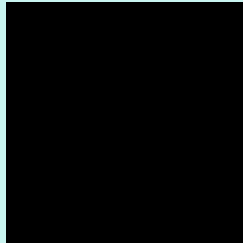
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.1663, 83.4101, 94.7343**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1663, 83.4101, 94.7343.



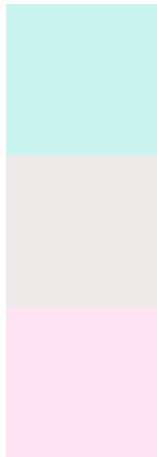
This preview shows how white text looks on a background with the XYZ color 72.1663, 83.4101,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

72.1663, 83.4101, 94.7343

### Protanopia

79.8707, 83.1369, 89.6793

### Deuteranopia

84.7941, 83.0287, 96.3510



## Tritanopia

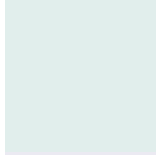
76.3615, 83.5372, 106.7074

# Trichromacy



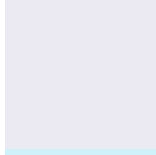
## Original Color

72.1663, 83.4101, 94.7343



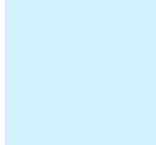
## Protanomaly

76.7662, 83.2128, 91.3725



## Deuteranomaly

79.7108, 82.9186, 95.8081



## Tritanomaly

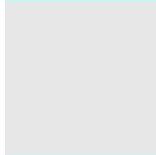
74.7230, 83.2226, 102.5677

# Monochromacy



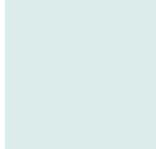
## Original Color

72.1663, 83.4101, 94.7343



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

74.3619, 81.1471, 89.5856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1663, 83.4101, 94.7343 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 244, 240)` looks like.

```
.text, #text, p{  
    color:rgb(201, 244, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 244, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 244, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1663, 83.4101, 94.7343 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 244, 240) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(201, 244, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(201, 244, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 244, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 244, 240);  
box-shadow:4px 4px 4px 4px rgb(201, 244,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1663, 83.4101, 94.7343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 244, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201,  
244, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor