

# Converting Colors

XYZ(72.4458, 78.6616,  
103.8865)

Have a look what the booklet for  
XYZ(72.4458, 78.6616, 103.8865)  
contains.

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# Color

**XYZ(72.3221, 78.4915,  
104.2671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE9FD
RGB	206, 233, 253
RGB Percent	81%, 91%, 99%
CMY	0.1921, 0.0863, 0.0078
CMYK	0.19, 0.08, 0.00, 0.01
HSL	206°, 92%, 90%
HSV	206°, 19%, 99%
XYZ	72.3221, 78.4915, 104.2671
YIQ	227.2070, -22.5120, 0.4960

# Conversions

## Conversions Part 2

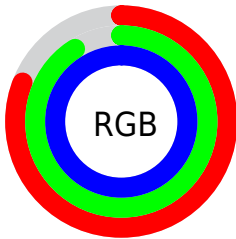
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 223, 253
Decimal	13560317
CIE Lab	91.00, -4.75, -12.64
CIE LCh	91, 13.507, 249.406
Yxy	78.4915, 0.2835, 0.3077
Android (android.graphics.Color)	4291750397 (0xFFCEE9FD)
YUV	227.2070, 12.7159, -18.5985
Hunter-Lab	88.5954, -9.3291, -7.7610

# Details

The XYZ color **72.3221, 78.4915, 104.2671** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.8455, 79.7315, 69.6282**, and the grayscale version is **73.0883, 76.8945, 83.7381**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4484, 42.0091, 58.3067** is the 20% darker color. If you saturate the color by 10%, you get **62.9014, 69.2502, 102.9811**, and if you desaturate by 10%, it is **83.0639, 88.6939, 105.6715**.

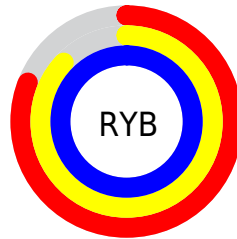
# Distribution



Red (81%)

Green (91%)

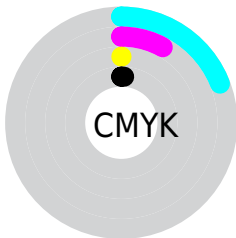
Blue (99%)



Red (81%)

Yellow (87%)

Blue (99%)

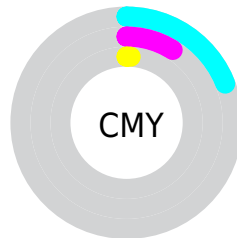


Cyan (19%)

Magenta (8%)

Yellow (0%)

Black (1%)



Cyan (19%)

Magenta (9%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3221, 78.4915, 104.2671 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 72.3221, 78.4915, 104.2671 by changing the saturation by 10% instead.



■ 72.3221, 78.4915,  
104.2671

■ 72.3221, 78.4915,  
104.2671

457.8022,  
489.8344, 595.1516

■ 53.7082, 58.4778,  
79.2323

121.5227,  
131.2428, 169.1117

■ 38.5982, 42.1929,  
58.5643

152.8401,  
164.7491, 209.7586

■ 26.6266, 29.2524,  
41.8448

189.1228,  
203.5218, 256.4466

■ 17.4281, 19.2718,  
28.6551

230.7361,  
247.9453, 309.5941

■ 10.6374, 11.8669,  
18.5768

278.0453,  
298.4039, 369.6199

■ 5.8891, 6.6531,  
11.1912

331.4158,

■ 2.8178, 3.2461,

355.2820, 436.9424

6.0798

391.2130,  
418.9640, 511.9801

■ 1.0581, 1.2615,  
2.8241

■ 0.0000, 0.1111,  
1.0055

■ 72.3221, 78.4915,  
104.2671

■ 72.3221, 78.4915,  
104.2671

■ 62.9014, 69.2502,  
102.9811

■ 83.0639, 88.6939,  
105.6715

■ 54.7375, 60.9258,  
101.8047

94.5813, 99.5748,  
107.1647

■ 47.7709, 53.4849,  
100.7356

94.7299, 99.8719,  
107.2142

■ 41.9344, 46.8873,  
99.7698

■ 37.1530, 41.0894,  
98.9027

■ 33.3421, 36.0419,  
98.1292

■ 30.4017, 31.6876,  
97.4438

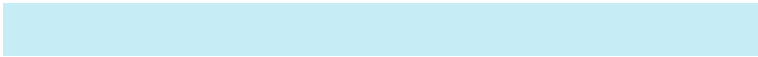
■ 28.1915, 27.9484,  
96.8385

■ 27.9100, 27.4522,  
96.7576

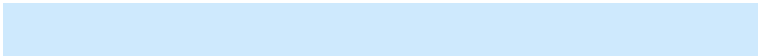
# Harmonies

## Analogous

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



69.6533, 78.4915, 97.9424



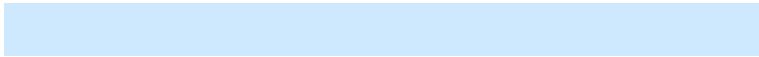
72.3221, 78.4915, 104.2671



75.6802, 78.4915, 105.3522

# Triad

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



72.3221, 78.4915, 104.2671



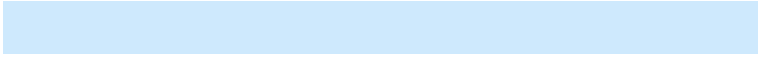
81.2586, 78.4915, 82.4326



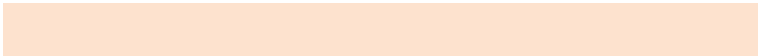
70.5199, 78.4915, 71.7653

# Complementary

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



72.3221, 78.4915, 104.2671



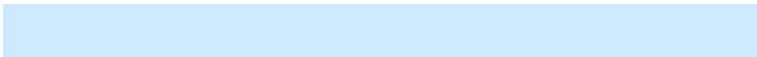
78.8455, 79.7315, 69.6282

# Split Complementary

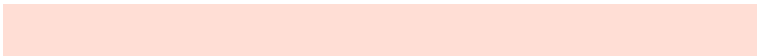
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.5377, 78.4915, 68.2507



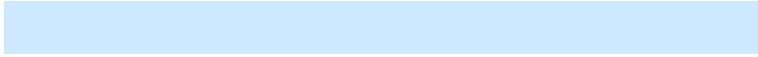
72.3221, 78.4915, 104.2671



79.7835, 78.4915, 74.0930

# Square

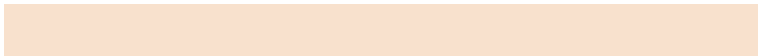
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3221, 78.4915, 104.2671



80.9090, 78.4915, 92.2378



76.9330, 78.4915, 69.0692

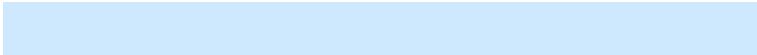


68.6350, 78.4915, 79.0300



# Rectangle

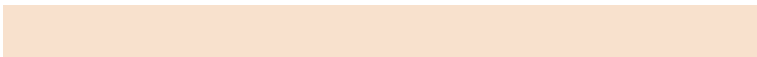
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3221, 78.4915, 104.2671



77.8685, 78.4915, 102.8815



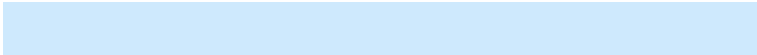
76.9330, 78.4915, 69.0692



71.4317, 78.4915, 70.1322

# Sweetspot

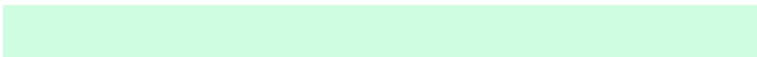
The Sweet Spot groups the original color and five complimentary colors.



72.3244, 78.4947, 104.2689



87.6018, 93.1295, 107.9664



74.2507, 88.8419, 84.8884



18.5834, 19.7782, 23.0881



0.0000, 0.0000, 0.0000

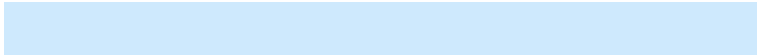


20.3446, 21.4041, 23.3091

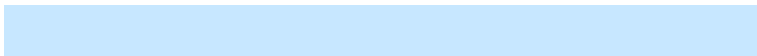


# Same Dimension

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



72.3244, 78.4947, 104.2689



70.1893, 76.5738, 105.6886



66.2107, 66.2673, 102.2310



17.8696, 19.1109, 22.9969



14.9944, 14.8984, 51.5200



1.5683, 1.6673, 5.0524



# Inverse Universe

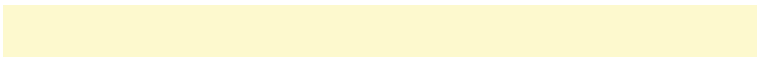
The Inverse Universe completely reimagines the original color for something new.



77.2891, 70.9102, 86.7079



76.0828, 67.8378, 84.7825



85.5514, 93.1432, 71.8635



18.4468, 18.1620, 20.9702



24.3567, 12.2320, 15.7947

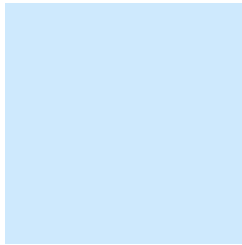


2.4262, 1.2129, 1.8259



# Previews

## White Background



This preview shows how the XYZ color 72.3221, 78.4915, 104.2671 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

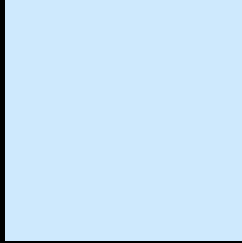
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3221, 78.4915, 104.2671 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

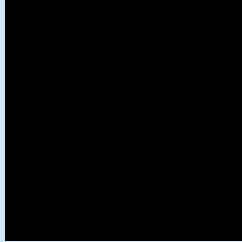
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

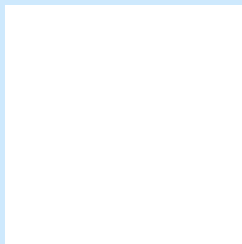
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.3221, 78.4915, 104.2671

## Background



This preview shows how black text looks on a background with the XYZ color 72.3221, 78.4915, 104.2671.



This preview shows how white text looks on a background with the XYZ color 72.3221, 78.4915,



# 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

72.3221, 78.4915, 104.2671

### Protanopia

76.2465, 78.1086, 100.6804

### Deuteranopia

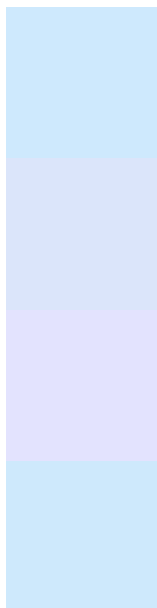
80.0343, 78.3461, 105.5118



## **Tritanopia**

72.1632, 78.4279, 103.4302

# Trichromacy



## Original Color

72.3221, 78.4915, 104.2671

## Protanomaly

74.4880, 78.0008, 101.5722

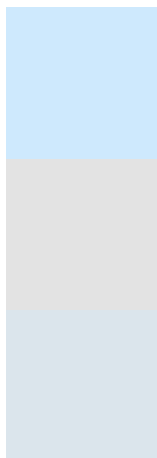
## Deuteranomaly

77.0370, 78.4248, 104.8431

## Tritanomaly

72.1632, 78.4279, 103.4302

# Monochromacy



## Original Color

72.3221, 78.4915, 104.2671

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.3731, 77.1548, 90.4348

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3221, 78.4915, 104.2671 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(206, 233, 253)` looks like.

```
.text, #text, p{  
    color:rgb(206, 233, 253)  
}
```

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(206, 233, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 233, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3221, 78.4915, 104.2671 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(206, 233, 253) }
```



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

```
.border{ border-color:rgb(206, 233, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 233, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 233, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 233, 253);  
box-shadow:4px 4px 4px 4px rgb(206, 233,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3221, 78.4915, 104.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 233, 253) }
```

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

```
.background{ background-color: rgb(206,  
233, 253) }
```

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](#).

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