

# Converting Colors

XYZ(63.3876, 76.7506, 94.2933)

Have a look what the booklet for  
XYZ(63.3876, 76.7506, 94.2933)  
contains.

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# Color

**XYZ(63.1722, 76.5703,  
93.8881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEFF0
RGB	170, 239, 240
RGB Percent	67%, 94%, 94%
CMY	0.3333, 0.0627, 0.0588
CMYK	0.29, 0.00, 0.00, 0.06
HSL	181°, 70%, 80%
HSV	181°, 29%, 94%
XYZ	63.1722, 76.5703, 93.8881
YIQ	218.4830, -41.4450, -14.3170

# Conversions

## Conversions Part 2

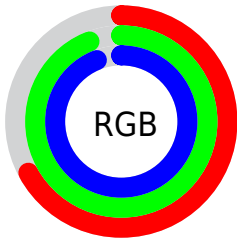
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 205, 240
Decimal	11202544
CIE <sub>Lab</sub>	90.12, -21.08, -7.39
CIE <sub>LCh</sub>	90, 22.339, 199.319
Yxy	76.5703, 0.2704, 0.3277
Android (android.graphics.Color)	4289392624 (0xFFAAEFF0)
YUV	218.4830, 10.6079, -42.5196
Hunter-Lab	87.5045, -24.2681, -2.3622

# Details

The XYZ color **63.1722, 76.5703, 93.8881** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.7547, 50.5538, 44.7456**, and the grayscale version is **66.9253, 70.4106, 76.6771**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **32.6554, 40.9725, 51.5348** is the 20% darker color. If you saturate the color by 10%, you get **58.3508, 73.9382, 93.6355**, and if you desaturate by 10%, it is **68.9454, 79.6971, 94.1886**.

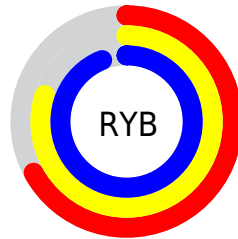
# Distribution



Red (67%)

Green (94%)

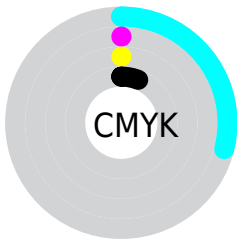
Blue (94%)



Red (67%)

Yellow (80%)

Blue (94%)

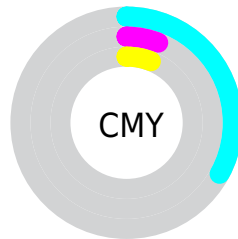


Cyan (29%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (6%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1722, 76.5703, 93.8881 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 63.1722, 76.5703, 93.8881 by changing the saturation by 10% instead.





 63.1722, 76.5703,  
93.8881

 63.1722, 76.5703,  
93.8881


425.8439,  
483.2977, 561.4923

 46.2397, 56.9003,  
70.6181


 108.4983,  
128.5327, 154.7099

 32.6404, 40.9252,  
51.5507


137.6227,  
161.5939, 193.0988

 22.0091, 28.2606,  
36.2673


171.5416,  
199.8876, 237.3644

 13.9802, 18.5222,  
24.3494

210.6207,  
243.7983, 287.9253

 8.1885, 11.3256,  
15.3784

255.2250,  
293.7102, 345.2000

 4.2686, 6.2863,  
8.9358

305.7201,

 1.8552, 3.0199,

350.0078, 409.6071

4.6031

362.4713,  
413.0755, 481.5650

■ 0.5506, 1.1421,  
1.9617

■ 0.0000, 0.0137,  
0.5316

■ 63.1722, 76.5703,  
93.8881

■ 63.1722, 76.5703,  
93.8881

■ 58.3508, 73.9382,  
93.6355

■ 68.9454, 79.6971,  
94.1886

■ 54.4228, 71.7651,  
93.4230


■ 75.7113, 83.3341,  
94.5340


■ 51.3341, 70.0249,  
93.2499


■ 83.5165, 87.5072,  
94.9281


■ 49.0216, 68.6851,  
93.1132


■ 88.2382, 90.0908,  
95.1780


 47.4136, 67.7089,  
93.0095


 88.3391, 90.2928,  
95.2116


 46.4251, 67.0522,  
92.9349


 88.4403, 90.4950,  
95.2454

 45.9252, 66.6477,  
92.8832

 88.5416, 90.6977,  
95.2791

 45.8919, 66.6183,  
92.8792

 88.6431, 90.9008,  
95.3130

 88.7448, 91.1042,  
95.3469

# Harmonies

## Analogous

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



62.7947, 76.5703, 77.8395



63.1722, 76.5703, 93.8881



66.0463, 76.5703, 108.7400

# Triad

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



63.1722, 76.5703, 93.8881



81.1669, 76.5703, 104.9035



74.7719, 76.5703, 56.8205

# Complementary

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



63.1722, 76.5703, 93.8881



57.7547, 50.5538, 44.7456

# 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.



79.9517, 76.5703, 62.2923



63.1722, 76.5703, 93.8881



83.7665, 76.5703, 89.1607

# Square

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



63.1722, 76.5703, 93.8881



76.3626, 76.5703, 115.6371



83.3108, 76.5703, 73.6721



69.3070, 76.5703, 57.7474

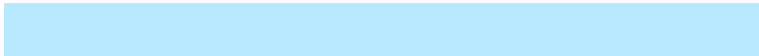


# Rectangle

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



63.1722, 76.5703, 93.8881



69.0767, 76.5703, 115.3287



83.3108, 76.5703, 73.6721



76.6087, 76.5703, 57.9419

# Sweetspot

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



63.1744, 76.5734, 93.8899



87.0007, 95.6958, 108.4934



54.9948, 73.7699, 49.3722



18.3630, 20.3441, 23.2089



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

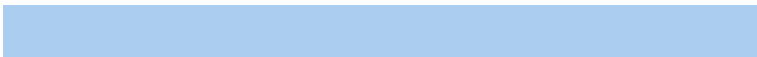
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1744, 76.5734, 93.8899



69.0793, 86.0115, 107.5688



54.1385, 58.5015, 90.8779



16.2270, 17.8880, 20.3191



25.1306, 36.4854, 50.8457



2.0968, 3.0475, 4.2319



# Inverse Universe

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



65.8917, 53.5084, 88.5201



72.6768, 55.5800, 100.4357



65.0236, 65.0917, 47.1685



16.4440, 16.0273, 19.8943



28.0104, 13.4766, 44.8326

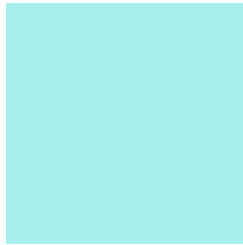


2.3333, 1.1224, 3.7460



# Previews

## White Background



This preview shows how the XYZ color 63.1722, 76.5703, 93.8881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

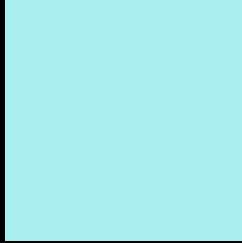
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1722, 76.5703, 93.8881 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 63.1722, 76.5703, 93.8881

## Background



This preview shows how black text looks on a background with the XYZ color 63.1722, 76.5703, 93.8881.



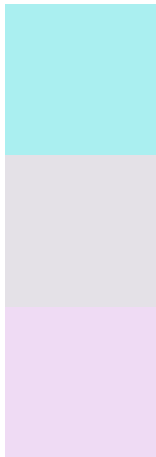
This preview shows how white text looks on a background with the XYZ color 63.1722, 76.5703,



# 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

63.1722, 76.5703, 93.8881

### Protanopia

73.3439, 76.1139, 86.4271

### Deuteranopia

77.2573, 75.5454, 96.0978



## Tritanopia

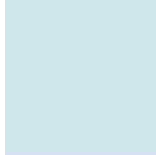
65.7246, 76.3249, 105.8759

# Trichromacy



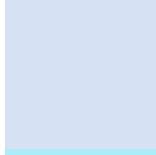
## Original Color

63.1722, 76.5703, 93.8881



## Protanomaly

68.8802, 75.7995, 88.8423



## Deuteranomaly

71.1056, 75.1599, 95.5537



## Tritanomaly

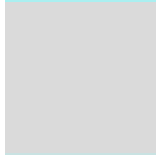
64.7731, 76.3547, 101.7665

# Monochromacy



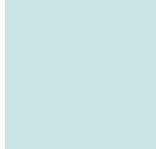
## Original Color

63.1722, 76.5703, 93.8881



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

65.0112, 72.3012, 82.4806

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1722, 76.5703, 93.8881 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(170, 239, 240)` looks like.

```
.text, #text, p{  
    color:rgb(170, 239, 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(170, 239, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 239, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1722, 76.5703, 93.8881 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(170, 239, 240) }
```



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

```
.border{ border-color:rgb(170, 239, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 239, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 239, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 239, 240);  
box-shadow:4px 4px 4px 4px rgb(170, 239,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1722, 76.5703, 93.8881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 239, 240) }
```

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

```
.background{ background-color: rgb(170,  
239, 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](#).

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