

# Converting Colors

XYZ(41.7222, 59.5687, 59.7510)

Have a look what the booklet for  
XYZ(41.7222, 59.5687, 59.7510)  
contains.

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# Color

**XYZ(41.7222, 59.5687,  
59.7510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68DFC1
RGB	104, 223, 193
RGB Percent	41%, 87%, 76%
CMY	0.5921, 0.1255, 0.2431
CMYK	0.53, 0.00, 0.13, 0.13
HSL	165°, 65%, 64%
HSV	165°, 53%, 87%
XYZ	41.7222, 59.5687, 59.7510
YIQ	183.9990, -61.2940, -34.5580

# Conversions

## Conversions Part 2

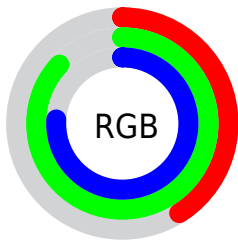
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 172, 223
Decimal	6873025
CIELab	81.60, -40.71, 4.54
CIELCh	82, 40.959, 173.636
Yxy	59.5687, 0.2591, 0.3699
Android (android.graphics.Color)	4285063105 (0xFF68DFC1)
YUV	183.9990, 4.4375, -70.1591
Hunter-Lab	77.1808, -38.5732, 8.1260

# Details

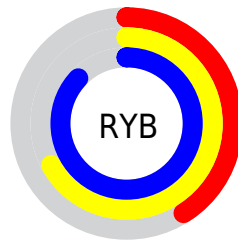
The XYZ color **41.7222, 59.5687, 59.7510** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.6868, 27.3113, 25.7362**, and the grayscale version is **45.5613, 47.9341, 52.2002**.

A 20% lighter version of the original color is **67.9631, 86.1461, 102.6684**, and **19.2799, 29.9060, 29.5672** is the 20% darker color. If you saturate the color by 10%, you get **38.8530, 58.1621, 56.4056**, and if you desaturate by 10%, it is **45.3030, 61.3423, 63.2568**.

# Distribution



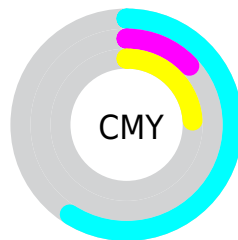
- Red (41%)
- Green (87%)
- Blue (76%)



- Red (41%)
- Yellow (67%)
- Blue (87%)



- Cyan (53%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)




- Cyan (59%)
- Magenta (13%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7222, 59.5687, 59.7510 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 41.7222, 59.5687, 59.7510 by changing the saturation by 10% instead.




 41.7222, 59.5687,  
59.7510


 41.7222, 59.5687,  
59.7510


344.3413,  
423.0062, 441.4585


 29.0740, 43.0711,  
42.7940


 77.0468, 104.2038,  
106.0082


 19.2814, 29.9409,  
29.3933


 100.4539,  
133.1100, 136.1455

 11.9790, 19.7937,  
19.1304


 128.1781,  
166.9212, 171.5133

 6.8015, 12.2452,  
11.5868

 160.5846,  
206.0219, 212.5301

 3.3835, 6.9109,  
6.3439

198.0388,  
250.7963, 259.6144

 1.3596, 3.4064,  
2.9831

240.9061,

 0.2272, 1.3474,

301.6289, 313.1850

1.0860

289.5518,  
358.9040, 373.6601

■ 0.0000, 0.1775,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.7222, 59.5687,  
59.7510

■ 41.7222, 59.5687,  
59.7510

■ 38.8530, 58.1621,  
56.4056

■ 45.3030, 61.3423,  
63.2568

■ 36.6347, 57.0870,  
53.2125


■ 49.6397, 63.5013,  
66.9225


■ 35.0052, 56.3126,  
50.1687


■ 54.7790, 66.0713,  
70.7529


■ 33.8868, 55.7991,  
47.2691


■ 60.7623, 69.0735,  
74.7513


 33.3435, 55.5594,  
45.4196

 67.6280, 72.5277,  
78.9207

 75.4121, 76.4525,  
83.2641

 82.2452, 79.8840,  
87.6953

 83.0585, 80.2094,  
91.9781

 83.8976, 80.5450,  
96.3969

# Harmonies

## Analogous

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



44.3184, 59.5687, 40.6371



41.7222, 59.5687, 59.7510



42.7797, 59.5687, 85.7615

# Triad

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



41.7222, 59.5687, 59.7510



63.5105, 59.5687, 118.6412



67.0001, 59.5687, 33.7090

# Complementary

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



41.7222, 59.5687, 59.7510



39.6868, 27.3113, 25.7362

# 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.



73.1593, 59.5687, 47.6648



41.7222, 59.5687, 59.7510



71.0062, 59.5687, 97.1881

# Square

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



41.7222, 59.5687, 59.7510



54.8050, 59.5687, 124.2327



74.6948, 59.5687, 70.2526



58.4711, 59.5687, 28.2593



# Rectangle

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



41.7222, 59.5687, 59.7510



45.4734, 59.5687, 103.3393



74.6948, 59.5687, 70.2526



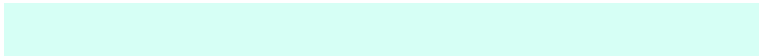
69.4498, 59.5687, 37.3599

# Sweetspot

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



41.7239, 59.5711, 59.7524



79.9877, 92.4213, 99.7804



38.9982, 58.9892, 22.4282



16.7545, 19.5982, 21.1154



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.



41.7239, 59.5711, 59.7524



52.2727, 78.6326, 75.9434



38.5974, 47.4078, 76.9311



13.9612, 15.5102, 16.8309



19.6524, 32.6858, 26.9561



1.3975, 2.2797, 2.0543



# Inverse Universe

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



39.6868, 27.3113, 25.7362



49.2797, 30.5716, 25.4742



41.1516, 33.1284, 17.3231



13.8483, 13.7570, 14.9713



18.3546, 9.4088, 3.2672

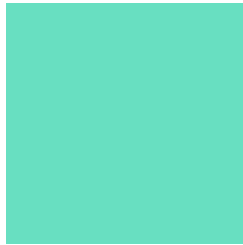


1.3079, 0.6664, 0.4145



# Previews

## White Background



This preview shows how the XYZ color 41.7222, 59.5687, 59.7510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

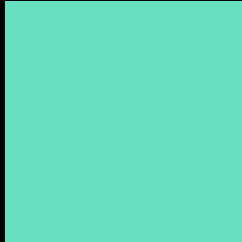
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7222, 59.5687, 59.7510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

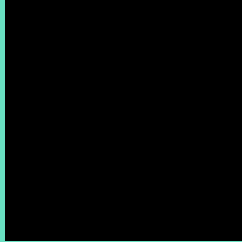
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

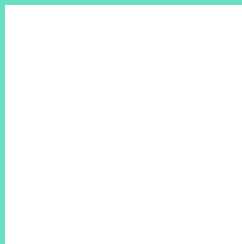
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.7222, 59.5687, 59.7510

## Background



This preview shows how black text looks on a background with the XYZ color 41.7222, 59.5687, 59.7510.



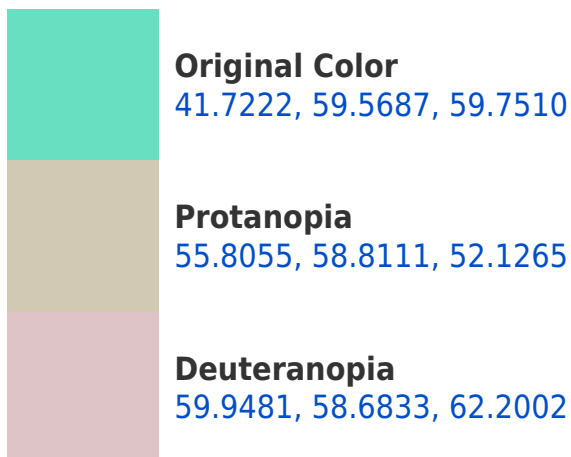
This preview shows how white text looks on a background with the XYZ color 41.7222, 59.5687,



# 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





## Tritanopia

47.1444, 59.4058, 87.5790

# Trichromacy



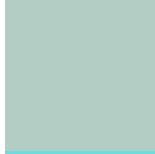
## Original Color

41.7222, 59.5687, 59.7510



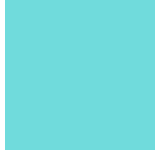
## Protanomaly

48.3520, 57.7616, 54.4996



## Deuteranomaly

50.4998, 57.2776, 61.2174



## Tritanomaly

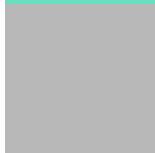
44.9319, 59.2751, 76.7832

# Monochromacy



## Original Color

41.7222, 59.5687, 59.7510



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

42.6813, 50.9446, 54.5975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7222, 59.5687, 59.7510 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(104, 223, 193)` looks like.

```
.text, #text, p{  
    color:rgb(104, 223, 193)  
}
```

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(104, 223, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 223, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7222, 59.5687, 59.7510 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(104, 223, 193) }
```



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

```
.border{ border-color:rgb(104, 223, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 223, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 223, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 223, 193); box-shadow:4px 4px 4px 4px rgb(104, 223, 193) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7222, 59.5687, 59.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 223, 193) }
```

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

```
.background{ background-color: rgb(104,  
223, 193) }
```

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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