

# Converting Colors

XYZ(42.4950, 54.5019, 78.1996)

Have a look what the booklet for  
XYZ(42.4950, 54.5019, 78.1996)  
contains.

<b>XYZ(42.5502, 54.6090, 78.1100)</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(42.5502, 54.6090,  
78.1100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CD2DF
RGB	108, 210, 223
RGB Percent	42%, 82%, 87%
CMY	0.5764, 0.1765, 0.1255
CMYK	0.52, 0.06, 0.00, 0.13
HSL	187°, 64%, 65%
HSV	187°, 52%, 87%
XYZ	42.5502, 54.6090, 78.1100
YIQ	180.9840, -64.9650, -17.5810

# Conversions

## Conversions Part 2

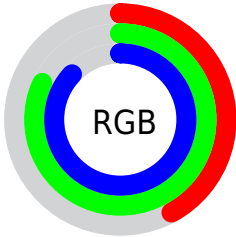
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	108, 162, 223
Decimal	7131871
CIE <sub>Lab</sub>	78.82, -26.19, -15.56
CIE <sub>LCh</sub>	79, 30.468, 210.717
Yxy	54.6090, 0.2428, 0.3116
Android (android.graphics.Color)	4285321951 (0xFF6CD2DF)
YUV	180.9840, 20.7139, -64.0070
Hunter-Lab	73.8979, -26.5415, -10.9409

# Details

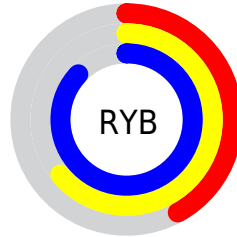
The XYZ color **42.5502, 54.6090, 78.1100** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.9767, 30.4466, 17.9587**, and the grayscale version is **43.8306, 46.1132, 50.2173**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **19.7441, 26.7621, 41.1708** is the 20% darker color. If you saturate the color by 10%, you get **39.5601, 52.1522, 77.7944**, and if you desaturate by 10%, it is **46.2470, 57.4471, 78.4640**.

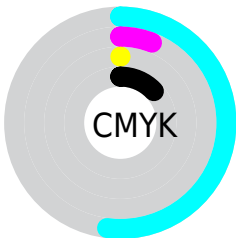
# Distribution



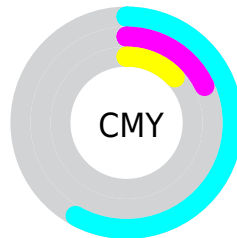
- Red (42%)
- Green (82%)
- Blue (87%)



- Red (42%)
- Yellow (64%)
- Blue (87%)



- Cyan (52%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (58%)
- Magenta (18%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5502, 54.6090, 78.1100 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 42.5502, 54.6090, 78.1100 by changing the saturation by 10% instead.



■ 42.5502, 54.6090,  
78.1100

■ 42.5502, 54.6090,  
78.1100

347.7116,  
404.4281, 508.0781

■ 29.7253, 39.0888,  
57.6474

■ 78.2916, 96.9678,  
132.4925

■ 19.7772, 26.8288,  
41.1124

■ 101.9389,  
124.5752, 167.2494

■ 12.3405, 17.4447,  
28.0866

■ 129.9243,  
156.9805, 207.6081

■ 7.0499, 10.5520,  
18.1513

162.6133,  
194.5679, 253.9872

■ 3.5399, 5.7665,  
10.8881

200.3711,  
237.7220, 306.8052

■ 1.4453, 2.7036,  
5.8784

243.5633,

■ 0.2882, 0.9790,

286.8272, 366.4807

2.7037

292.5550,  
342.2677, 433.4321

■ 0.0000, 0.0000,  
0.9453

■ 0.0000, 0.0000,  
0.0000

■ 42.5502, 54.6090,  
78.1100

■ 42.5502, 54.6090,  
78.1100

■ 39.5601, 52.1522,  
77.7944

■ 46.2470, 57.4471,  
78.4640

■ 37.2176, 50.0424,  
77.5106


■ 50.6938, 60.6853,  
78.8546


■ 35.4624, 48.2499,  
77.2571


■ 55.9363, 64.3484,  
79.2853


■ 34.2202, 46.7362,  
77.0304


■ 62.0151, 68.4573,  
79.7581


 33.4668, 45.6225,  
76.8551

 68.9680, 73.0317,  
80.2745

 76.8305, 78.0898,  
80.8365

 82.2060, 81.8809,  
81.2849

 82.9031, 83.2750,  
81.5172

 83.6103, 84.6895,  
81.7530

# Harmonies

## Analogous

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



41.1403, 54.6090, 59.8768



42.5502, 54.6090, 78.1100



46.4306, 54.6090, 93.4272

# Triad

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



42.5502, 54.6090, 78.1100



62.7021, 54.6090, 77.2491



51.7591, 54.6090, 32.0268

# Complementary

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



42.5502, 54.6090, 78.1100



39.9767, 30.4466, 17.9587

# 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.



57.7919, 54.6090, 34.9206



42.5502, 54.6090, 78.1100



64.3988, 54.6090, 59.0450

# Square

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



42.5502, 54.6090, 78.1100



58.0625, 54.6090, 92.8662



62.5375, 54.6090, 44.0433



46.1975, 54.6090, 35.2131

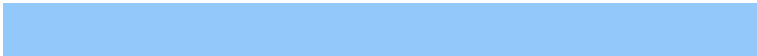


# Rectangle

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



42.5502, 54.6090, 78.1100



50.0540, 54.6090, 98.6760



62.5375, 54.6090, 44.0433



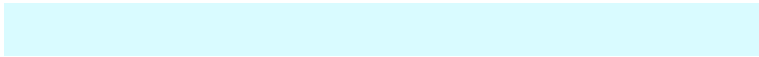
53.7995, 54.6090, 32.3142

# Sweetspot

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



42.5519, 54.6111, 78.1113



80.9872, 90.7259, 107.8511



35.9332, 57.3087, 26.7800



16.9581, 19.1649, 23.0554



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

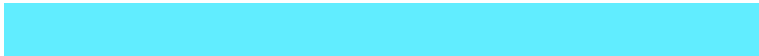


# Same Dimension

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



42.5519, 54.6111, 78.1113



53.2909, 70.3995, 105.3875



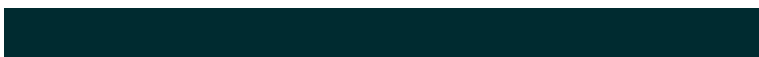
31.0607, 31.6287, 74.2809



13.9774, 15.2939, 17.6030



19.7304, 26.9304, 45.2066



1.4058, 1.9430, 3.1462



# Inverse Universe

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



47.4283, 31.0678, 64.4718



60.8105, 35.9129, 83.9471



48.8617, 48.2165, 20.9203



14.2248, 13.9076, 16.9539



23.8992, 11.6267, 32.4647

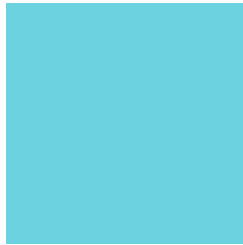


1.6758, 0.8136, 2.3517



# Previews

## White Background



This preview shows how the XYZ color 42.5502, 54.6090, 78.1100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

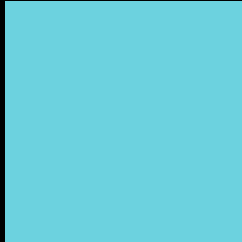
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5502, 54.6090, 78.1100 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

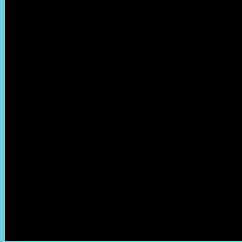
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 42.5502, 54.6090, 78.1100

## Background



This preview shows how black text looks on a background with the XYZ color 42.5502, 54.6090, 78.1100.



This preview shows how white text looks on a background with the XYZ color 42.5502, 54.6090,



# 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

42.5502, 54.6090, 78.1100

### Protanopia

52.6919, 54.0999, 69.9525

### Deuteranopia

55.0887, 53.8116, 80.1562



## Tritanopia

42.8346, 54.3431, 80.1832

# Trichromacy



**Original Color**

42.5502, 54.6090, 78.1100

**Protanomaly**

47.5160, 53.3818, 72.7651

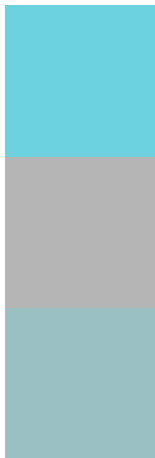
**Deuteranomaly**

49.2108, 53.4228, 79.6695

**Tritanomaly**

42.6977, 54.2884, 79.4625

# Monochromacy



**Original Color**

42.5502, 54.6090, 78.1100

**Achromatopsia**

43.9204, 46.2077, 50.3202

**Achromatomaly**

42.1399, 48.5548, 59.3756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5502, 54.6090, 78.1100 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(108, 210, 223)` looks like.

```
.text, #text, p{  
    color:rgb(108, 210, 223)  
}
```

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(108, 210, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 210, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5502, 54.6090, 78.1100 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(108, 210, 223) }
```



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

```
.border{ border-color:rgb(108, 210, 223) }
```

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

Here you see how a box with a 4 pixel rgb(108, 210, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 210, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 210, 223);  
box-shadow:4px 4px 4px 4px rgb(108, 210,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5502, 54.6090, 78.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 210, 223) }
```

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

```
.background{ background-color: rgb(108,  
210, 223) }
```

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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