

# Converting Colors

XYZ(46.6354, 59.6260, 66.4431)

Have a look what the booklet for  
XYZ(46.6354, 59.6260, 66.4431)  
contains.

<b>XYZ(46.5272, 59.5608, 66.1709)</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(46.5272, 59.5608,  
66.1709)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CD9CC
RGB	140, 217, 204
RGB Percent	55%, 85%, 80%
CMY	0.4510, 0.1490, 0.2000
CMYK	0.35, 0.00, 0.06, 0.15
HSL	170°, 50%, 70%
HSV	170°, 35%, 85%
XYZ	46.5272, 59.5608, 66.1709
YIQ	192.4950, -41.7190, -20.3670

# Conversions

## Conversions Part 2

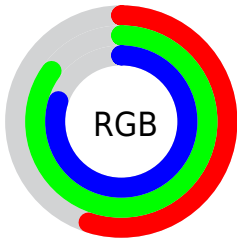
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 182, 217
Decimal	9230796
CIELab	81.60, -26.63, -1.13
CIELCh	82, 26.652, 182.437
Yxy	59.5608, 0.2701, 0.3458
Android (android.graphics.Color)	4287420876 (0xFF8CD9CC)
YUV	192.4950, 5.6720, -46.0381
Hunter-Lab	77.1756, -27.4443, 3.1873

# Details

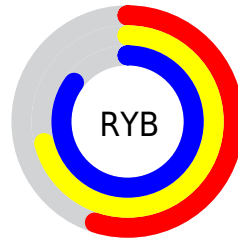
The XYZ color **46.5272, 59.5608, 66.1709** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.7452, 35.8095, 34.7457**, and the grayscale version is **50.3791, 53.0027, 57.7200**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **22.2631, 30.0211, 33.4754** is the 20% darker color. If you saturate the color by 10%, you get **42.7911, 57.6865, 63.7298**, and if you desaturate by 10%, it is **50.9981, 61.8158, 68.7030**.

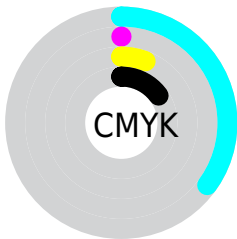
# Distribution



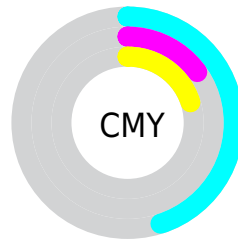
- Red (55%)
- Green (85%)
- Blue (80%)



- Red (55%)
- Yellow (71%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)



- Cyan (45%)
- Magenta (15%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5272, 59.5608, 66.1709 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 46.5272, 59.5608, 66.1709 by changing the saturation by 10% instead.



■ 46.5272, 59.5608,  
66.1709

■ 46.5272, 59.5608,  
66.1709

363.6046,  
422.9770, 465.4087

■ 32.8684, 43.0647,  
47.9538

■ 84.2305, 104.1923,  
115.3609

■ 22.1844, 29.9359,  
33.4306

■ 109.0057,  
133.0965, 147.1709

■ 14.1098, 19.7899,  
22.1827

138.2171,  
166.9055, 184.3490

■ 8.2793, 12.2424,  
13.7916

172.2301,  
206.0038, 227.3136

■ 4.3275, 6.9090,  
7.8388

211.4100,  
250.7757, 276.4833

■ 1.8890, 3.4053,  
3.9057

256.1221,

■ 0.5704, 1.3468,

301.6056, 332.2767

1.5737

306.7319,  
358.8779, 395.1124

■ 0.0000, 0.1770,  
0.2720

■ 0.0000, 0.0000,  
0.0000

■ 46.5272, 59.5608,  
66.1709

■ 46.5272, 59.5608,  
66.1709

■ 42.7911, 57.6865,  
63.7298

■ 50.9981, 61.8158,  
68.7030

■ 39.7420, 56.1636,  
61.3731

■ 56.2379, 64.4644,  
71.3241

■ 37.3345, 54.9703,  
59.0997

■ 62.2846, 67.5278,  
74.0378

■ 35.5154, 54.0792,  
56.9068

■ 69.1722, 71.0234,  
76.8458

■ 34.2231, 53.4585,  
54.7910

■ 76.9328, 74.9680,  
79.7501

■ 33.3817, 53.0690,  
52.7484

■ 79.7796, 76.3781,  
82.4802

■ 33.0889, 52.9378,  
51.8469

■ 80.2880, 76.5814,  
85.1569

■ 80.8071, 76.7890,  
87.8907

■ 81.3371, 77.0010,  
90.6817

# Harmonies

## Analogous

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



47.5982, 59.5608, 51.6129



46.5272, 59.5608, 66.1709



48.0070, 59.5608, 82.8234

# Triad

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



46.5272, 59.5608, 66.1709



62.5802, 59.5608, 94.4890



61.7366, 59.5608, 41.1908

# Complementary

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



46.5272, 59.5608, 66.1709



43.7452, 35.8095, 34.7457

# 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.



66.1856, 59.5608, 49.6880



46.5272, 59.5608, 66.1709



66.6947, 59.5608, 80.1802

# Square

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



46.5272, 59.5608, 66.1709



57.0696, 59.5608, 100.7661



68.0551, 59.5608, 63.5499



56.1544, 59.5608, 38.6801



# Rectangle

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



46.5272, 59.5608, 66.1709



50.3016, 59.5608, 92.4723



68.0551, 59.5608, 63.5499



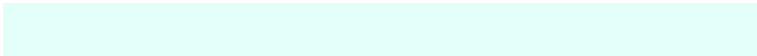
63.4265, 59.5608, 43.3640

# Sweetspot

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



46.5289, 59.5632, 66.1723



84.7195, 94.7614, 104.4848



42.8970, 58.4031, 33.8242



17.8828, 20.1559, 22.2500



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.



46.5289, 59.5632, 66.1723



62.7097, 83.6559, 92.5685



42.3268, 48.5580, 72.7901



13.3455, 14.7898, 16.2825



20.0636, 32.0581, 31.5639



1.3254, 2.0871, 2.1794



# Inverse Universe

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



43.7452, 35.8095, 34.7457



58.1077, 44.2934, 40.5452



46.6951, 43.3354, 30.7157



13.1453, 13.0872, 14.0265



17.5474, 9.0200, 1.9968



1.1647, 0.5955, 0.2761



# Previews

## White Background



This preview shows how the XYZ color 46.5272, 59.5608, 66.1709 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

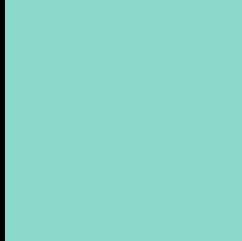
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5272, 59.5608, 66.1709 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

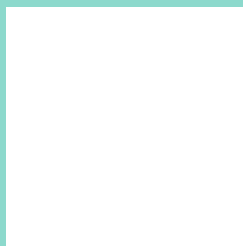
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.5272, 59.5608, 66.1709**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5272, 59.5608, 66.1709.



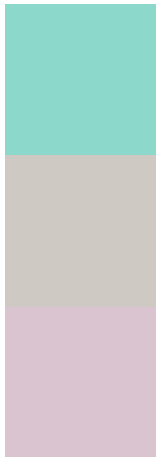
This preview shows how white text looks on a background with the XYZ color 46.5272, 59.5608,



# 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

46.5272, 59.5608, 66.1709

### Protanopia

56.4691, 58.9788, 60.0376

### Deuteranopia

60.0385, 58.9393, 67.8866



## Tritanopia

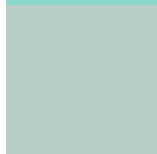
49.9312, 59.4127, 83.6990

# Trichromacy



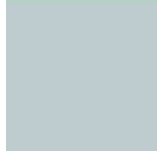
## Original Color

46.5272, 59.5608, 66.1709



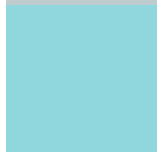
## Protanomaly

52.0343, 58.7701, 62.0274



## Deuteranomaly

54.0906, 58.6379, 67.4988



## Tritanomaly

48.5993, 59.2429, 77.2802

# Monochromacy



## Original Color

46.5272, 59.5608, 66.1709



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

48.0840, 54.6430, 60.2374

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5272, 59.5608, 66.1709 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(140, 217, 204)` looks like.

```
.text, #text, p{  
    color:rgb(140, 217, 204)  
}
```

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(140, 217, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 217, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5272, 59.5608, 66.1709 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(140, 217, 204) }
```



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

```
.border{ border-color:rgb(140, 217, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 217, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 217, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 217, 204);  
box-shadow:4px 4px 4px 4px rgb(140, 217,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5272, 59.5608, 66.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 217, 204) }
```

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

```
.background{ background-color: rgb(140,  
217, 204) }
```

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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