

# Converting Colors

XYZ(46.6964, 59.6481, 66.1788)

Have a look what the booklet for  
XYZ(46.6964, 59.6481, 66.1788)  
contains.

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# Color

**XYZ(46.6964, 59.6481,  
66.1788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DD9CC
RGB	141, 217, 204
RGB Percent	55%, 85%, 80%
CMY	0.4470, 0.1490, 0.2000
CMYK	0.35, 0.00, 0.06, 0.15
HSL	170°, 50%, 70%
HSV	170°, 35%, 85%
XYZ	46.6964, 59.6481, 66.1788
YIQ	192.7940, -41.1230, -20.1550

# Conversions

## Conversions Part 2

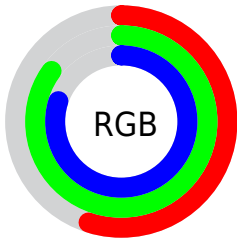
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 183, 217
Decimal	9296332
CIELab	81.65, -26.36, -1.06
CIELCh	82, 26.377, 182.299
Yxy	59.6481, 0.2707, 0.3457
Android (android.graphics.Color)	4287486412 (0xFF8DD9CC)
YUV	192.7940, 5.5246, -45.4233
Hunter-Lab	77.2322, -27.2310, 3.2580

# Details

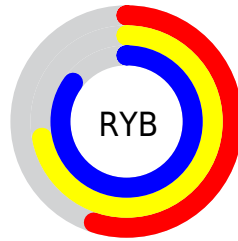
The XYZ color **46.6964, 59.6481, 66.1788** is a light color, and the websafe version is hex **66CCCC**, and the color name is **middle blue green**. A complement of this color would be **43.9749, 36.1361, 35.2313**, and the grayscale version is **50.5548, 53.1876, 57.9213**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **22.3558, 30.0689, 33.4798** is the 20% darker color. If you saturate the color by 10%, you get **42.9223, 57.7549, 63.7064**, and if you desaturate by 10%, it is **51.2074, 61.9231, 68.7437**.

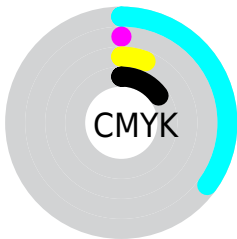
# Distribution



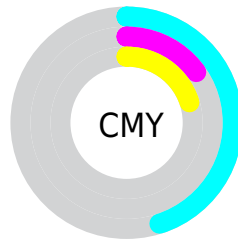
- Red (55%)
- Green (85%)
- Blue (80%)



- Red (55%)
- Yellow (72%)
- 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 46.6964, 59.6481, 66.1788 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 46.6964, 59.6481, 66.1788 by changing the saturation by 10% instead.





 46.6964, 59.6481,  
66.1788

 46.6964, 59.6481,  
66.1788


364.2706,  
423.2995, 465.4377

 33.0027, 43.1351,  
47.9602


 84.4818, 104.3190,  
115.3724

 22.2877, 29.9911,  
33.4356


 109.3041,  
133.2457, 147.1844

 14.1863, 19.8318,  
22.1865


138.5667,  
167.0790, 184.3646

 8.3329, 12.2729,  
13.7944

172.6348,  
206.2034, 227.3316

 4.3623, 6.9298,  
7.8407

211.8740,  
251.0033, 276.5038

 1.9091, 3.4182,  
3.9069

256.6494,

 0.5821, 1.3538,

301.8630, 332.2999

1.5744

307.3265,  
359.1669, 395.1384

0.0000, 0.1823,  
0.2724

0.0000, 0.0000,  
0.0000

46.6964, 59.6481,  
66.1788

46.6964, 59.6481,  
66.1788

42.9223, 57.7549,  
63.7064

51.2074, 61.9231,  
68.7437

39.8376, 56.2142,  
61.3200

56.4893, 64.5927,  
71.3992

37.3970, 55.0045,  
59.0184

62.5800, 67.6780,  
74.1487

35.5478, 54.0984,  
56.7987

69.5134, 71.1965,  
76.9942

■ 34.2286, 53.4643,  
54.6577

■ 77.3215, 75.1647,  
79.9375

■ 33.3645, 53.0637,  
52.5915

■ 79.8194, 76.3941,  
82.6895

■ 33.0398, 52.9182,  
51.5880

■ 80.3354, 76.6004,  
85.4065

■ 80.8624, 76.8113,  
88.1819

■ 81.4007, 77.0266,  
91.0161

# Harmonies

## Analogous

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



47.7705, 59.6481, 51.7646



46.6964, 59.6481, 66.1788



48.1529, 59.6481, 82.6615

# Triad

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



46.6964, 59.6481, 66.1788



62.5820, 59.6481, 94.3177



61.7944, 59.6481, 41.4949

# Complementary

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



46.6964, 59.6481, 66.1788



43.9749, 36.1361, 35.2313

# 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.



66.1891, 59.6481, 49.9628



46.6964, 59.6481, 66.1788



66.6643, 59.6481, 80.1957

# Square

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



46.6964, 59.6481, 66.1788



57.1223, 59.6481, 100.4725



68.0249, 59.6481, 63.7299



56.2673, 59.6481, 38.9707



# Rectangle

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



46.6964, 59.6481, 66.1788



50.4220, 59.6481, 92.2171



68.0249, 59.6481, 63.7299



63.4651, 59.6481, 43.6642

# Sweetspot

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



46.6981, 59.6505, 66.1802



84.7097, 94.7575, 104.4333



43.1271, 58.5133, 34.2214



17.8805, 20.1550, 22.2377



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

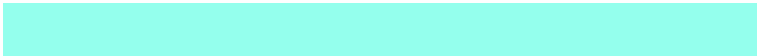


# Same Dimension

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



46.6981, 59.6505, 66.1802



63.1936, 83.9021, 92.7376



42.5659, 48.7850, 72.8215



13.3442, 14.7893, 16.2757



20.0341, 32.0463, 31.4088



1.3237, 2.0864, 2.1707



# Inverse Universe

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



43.9749, 36.1361, 35.2313



58.7176, 45.1698, 41.8076



46.8921, 43.6109, 31.1465



13.1465, 13.0877, 14.0327



17.5523, 9.0219, 2.0223

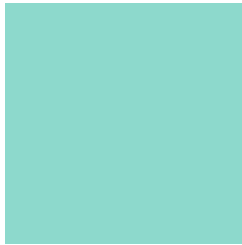


1.1652, 0.5957, 0.2791



# Previews

## White Background



This preview shows how the XYZ color 46.6964, 59.6481, 66.1788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

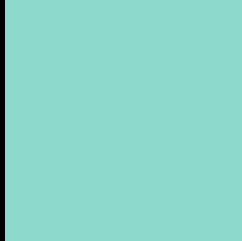
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.6964, 59.6481, 66.1788 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

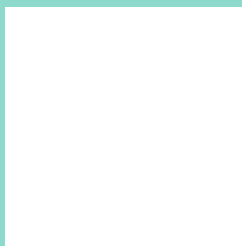
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.6964, 59.6481, 66.1788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.6964, 59.6481, 66.1788.



This preview shows how white text looks on a background with the XYZ color 46.6964, 59.6481,



# 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

46.6964, 59.6481, 66.1788

### Protanopia

56.4691, 58.9788, 60.0376

### Deuteranopia

60.3385, 59.0940, 67.9006



## **Tritanopia**

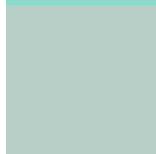
50.1098, 59.5047, 83.7074

# Trichromacy



## Original Color

46.6964, 59.6481, 66.1788



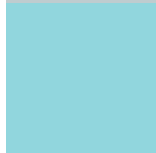
## Protanomaly

52.0343, 58.7701, 62.0274



## Deuteranomaly

54.3412, 58.7671, 67.5106



## Tritanomaly

48.7748, 59.3333, 77.2884

# Monochromacy



## Original Color

46.6964, 59.6481, 66.1788



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

48.6541, 55.2709, 60.9273

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.6964, 59.6481, 66.1788 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(141, 217, 204)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 217, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 217, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 46.6964, 59.6481, 66.1788 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(141, 217, 204) }
```



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

```
.border{ border-color:rgb(141, 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(141, 217, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 217, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 217, 204);  
box-shadow:4px 4px 4px 4px rgb(141, 217,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.6964, 59.6481, 66.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 217, 204) }
```

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

```
.background{ background-color: rgb(141,  
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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