

# Converting Colors

XYZ(47.8583, 61.1106, 68.6383)

Have a look what the booklet for  
XYZ(47.8583, 61.1106, 68.6383)  
contains.

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# Color

**XYZ(47.8720, 60.9679,  
68.9194)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 8EDBD0                       |
| RGB         | 142, 219, 208                |
| RGB Percent | 56%, 86%, 82%                |
| CMY         | 0.4431, 0.1412, 0.1843       |
| CMYK        | 0.35, 0.00, 0.05, 0.14       |
| HSL         | 171°, 52%, 71%               |
| HSV         | 171°, 35%, 86%               |
| XYZ         | 47.8720, 60.9679, 68.9194    |
| YIQ         | 194.7230, -42.3610, -19.7450 |

# Conversions

## Conversions Part 2

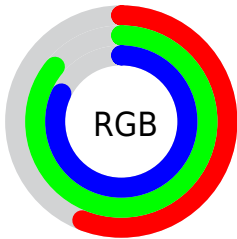
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 142, 183, 219                 |
| Decimal                             | 9362384                       |
| CIELab                              | 82.36, -26.15, -2.13          |
| CIELCh                              | 82, 26.241, 184.661           |
| Yxy                                 | 60.9679, 0.2693,<br>0.3430    |
| Android<br>(android.graphics.Color) | 4287552464<br>(0xFF8EDBD0)    |
| YUV                                 | 194.7230, 6.5456,<br>-46.2381 |
| Hunter-Lab                          | 78.0819, -27.2051,<br>2.3248  |

# Details

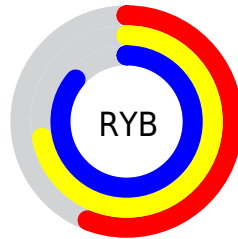
The XYZ color **47.8720, 60.9679, 68.9194** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.6383, 36.7076, 34.8718**, and the grayscale version is **51.6887, 54.3805, 59.2204**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **23.0387, 30.9102, 35.3239** is the 20% darker color. If you saturate the color by 10%, you get **44.0966, 59.0672, 66.7538**, and if you desaturate by 10%, it is **52.3967, 63.2571, 71.1623**.

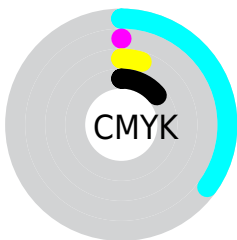
# Distribution



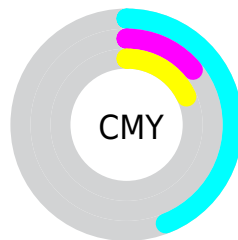
- Red (56%)
- Green (86%)
- Blue (82%)



- Red (56%)
- Yellow (72%)
- Blue (86%)



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)




- Cyan (44%)
- Magenta (14%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8720, 60.9679, 68.9194 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 47.8720, 60.9679, 68.9194 by changing the saturation by 10% instead.





 47.8720, 60.9679,  
68.9194


 47.8720, 60.9679,  
68.9194


368.8756,  
428.1563, 475.4329

 33.9364, 44.1993,  
50.1747


 86.2246, 106.2325,  
119.3331

 23.0074, 30.8272,  
35.1801


 111.3724,  
135.4972, 151.8391

 14.7197, 20.4673,  
23.5170


140.9881,  
169.6960, 189.7694

 8.7079, 12.7352,  
14.7668

175.4374,  
209.2134, 233.5424

 4.6067, 7.2464,  
8.5111

215.0854,  
254.4337, 283.5768

 2.0508, 3.6167,  
4.3313

260.2975,

 0.6622, 1.4615,

305.7414, 340.2909

1.8088

311.4391,  
363.5208, 404.1034

■ 0.0000, 0.2614,  
0.4337

■ 0.0000, 0.0000,  
0.0000

■ 47.8720, 60.9679,  
68.9194

■ 47.8720, 60.9679,  
68.9194

■ 44.0966, 59.0672,  
66.7538

■ 52.3967, 63.2571,  
71.1623

■ 41.0217, 57.5252,  
64.6592

■ 57.7055, 65.9480,  
73.4805

■ 38.6011, 56.3197,  
62.6343

■ 63.8370, 69.0622,  
75.8773

■ 36.7807, 55.4227,  
60.6766

■ 70.8260, 72.6176,  
78.3546

■ 35.4978, 54.8019,  
58.7827

■ 78.7052, 76.6310,  
80.9140

■ 34.6752, 54.4176,  
56.9489

■ 80.4070, 77.4589,  
83.2251

■ 34.3786, 54.2836,  
56.0798

■ 80.8424, 77.6331,  
85.5180

■ 81.2857, 77.8104,  
87.8523

■ 81.7369, 77.9909,  
90.2285

# Harmonies

## Analogous

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



48.7575, 60.9679, 54.0498



47.8720, 60.9679, 68.9194



49.5409, 60.9679, 85.4962

# Triad

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



47.8720, 60.9679, 68.9194



64.2854, 60.9679, 95.0926



62.6760, 60.9679, 42.2465

# Complementary

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



47.8720, 60.9679, 68.9194



44.6383, 36.7076, 34.8718

# 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.



67.2565, 60.9679, 50.3555



47.8720, 60.9679, 68.9194



68.2268, 60.9679, 80.4642

# Square

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



47.8720, 60.9679, 68.9194



58.8269, 60.9679, 102.0768



69.3474, 60.9679, 63.9109



57.0782, 60.9679, 40.1637



# Rectangle

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



47.8720, 60.9679, 68.9194



51.9448, 60.9679, 94.8272



69.3474, 60.9679, 63.9109



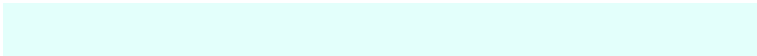
64.3971, 60.9679, 44.2859

# Sweetspot

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



47.8738, 60.9703, 68.9208



84.8341, 94.8073, 105.0886



43.4568, 59.4445, 34.7758



17.9103, 20.1669, 22.3948



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

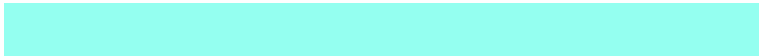


# Same Dimension

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



47.8738, 60.9703, 68.9208



63.6378, 84.0798, 95.0771



42.8039, 48.5885, 74.1432



13.3607, 14.7959, 16.3623



20.4152, 32.1987, 33.4154



1.3450, 2.0949, 2.2827



# Inverse Universe

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



44.6383, 36.7076, 34.8718



58.4433, 45.0601, 40.3630



48.2766, 45.3723, 31.8056



13.1315, 13.0817, 13.9535



17.4952, 8.9991, 1.7220

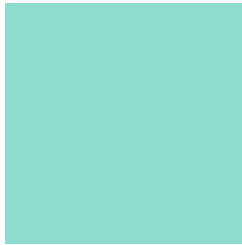


1.1581, 0.5929, 0.2417



# Previews

## White Background



This preview shows how the XYZ color 47.8720, 60.9679, 68.9194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

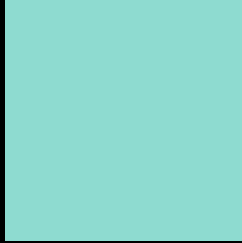
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8720, 60.9679, 68.9194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

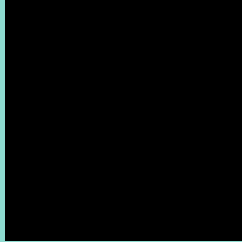
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

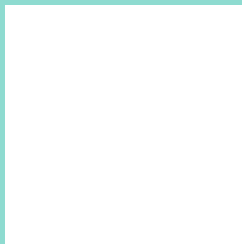
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 47.8720, 60.9679, 68.9194

## Background



This preview shows how black text looks on a background with the XYZ color 47.8720, 60.9679, 68.9194.



This preview shows how white text looks on a background with the XYZ color 47.8720, 60.9679,



# 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

47.8720, 60.9679, 68.9194

### Protanopia

57.9592, 60.3907, 62.6346

### Deuteranopia

61.5929, 60.3573, 70.6912



## Tritanopia

51.2212, 60.7800, 86.1229

# Trichromacy



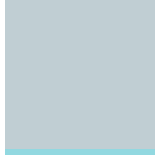
## Original Color

47.8720, 60.9679, 68.9194



## Protanomaly

53.4687, 60.1795, 64.6748



## Deuteranomaly

55.5674, 60.0522, 70.2905



## Tritanomaly

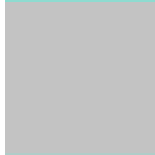
49.8645, 60.6045, 79.5907

# Monochromacy



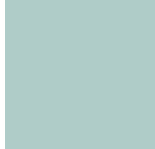
## Original Color

47.8720, 60.9679, 68.9194



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

49.9227, 56.5860, 62.9346

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8720, 60.9679, 68.9194 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(142, 219, 208)` looks like.

```
.text, #text, p{  
    color:rgb(142, 219, 208)  
}
```

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(142, 219, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 219, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8720, 60.9679, 68.9194 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(142, 219, 208) }
```



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

```
.border{ border-color:rgb(142, 219, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 219, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 219, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 219, 208); box-shadow:4px 4px 4px 4px rgb(142, 219, 208) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8720, 60.9679, 68.9194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 219, 208) }
```

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

```
.background{ background-color: rgb(142,  
219, 208) }
```

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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