

# Converting Colors

XYZ(48.1311, 58.0616, 72.5403)

Have a look what the booklet for  
XYZ(48.1311, 58.0616, 72.5403)  
contains.

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# Color

**XYZ(48.0095, 57.9276,  
72.2691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96D3D6
RGB	150, 211, 214
RGB Percent	59%, 83%, 84%
CMY	0.4118, 0.1725, 0.1608
CMYK	0.30, 0.01, 0.00, 0.16
HSL	183°, 44%, 71%
HSV	183°, 30%, 84%
XYZ	48.0095, 57.9276, 72.2691
YIQ	193.1030, -37.3190, -11.9990

# Conversions

## Conversions Part 2

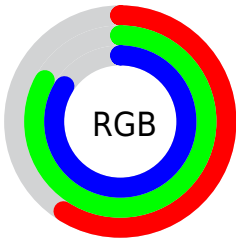
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	150, 181, 214
Decimal	9884630
CIE Lab	80.70, -18.61, -7.74
CIE LCh	81, 20.150, 202.582
Yxy	57.9276, 0.2694, 0.3251
Android (android.graphics.Color)	4288074710 (0xFF96D3D6)
YUV	193.1030, 10.3022, -37.8013
Hunter-Lab	76.1102, -20.5969, -3.0207

# Details

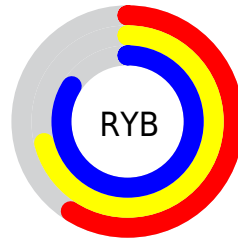
The XYZ color **48.0095, 57.9276, 72.2691** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.6285, 39.2809, 34.0851**, and the grayscale version is **50.7075, 53.3482, 58.0962**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **22.9703, 28.7669, 37.1428** is the 20% darker color. If you saturate the color by 10%, you get **44.1778, 55.5852, 72.0199**, and if you desaturate by 10%, it is **52.5653, 60.6485, 72.5551**.

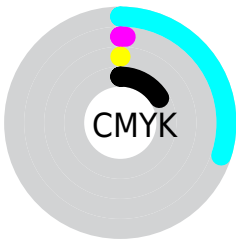
# Distribution



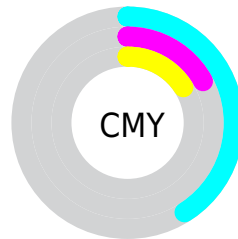
- Red (59%)
- Green (83%)
- Blue (84%)



- Red (59%)
- Yellow (71%)
- Blue (84%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)




- Cyan (41%)
- Magenta (17%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0095, 57.9276, 72.2691 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 48.0095, 57.9276, 72.2691 by changing the saturation by 10% instead.





 48.0095, 57.9276,  
72.2691


 48.0095, 57.9276,  
72.2691


369.4117,  
416.9161, 487.4804

 34.0457, 41.7504,  
52.8903


 86.4282, 101.8174,  
124.1503

 23.0918, 28.9059,  
37.3281


 111.6137,  
130.2989, 157.4899

 14.7823, 19.0097,  
25.1639

141.2706,  
163.6506, 196.3201

 8.7521, 11.6773,  
15.9791


175.7641,  
202.2569, 241.0596

 4.6356, 6.5243,  
9.3551

215.4596,  
246.5022, 292.1268

 2.0677, 3.1664,  
4.8736

260.7225,

 0.6715, 1.2192,

296.7709, 349.9403

2.1158

311.9181,  
353.4474, 414.9186

■ 0.0000, 0.0773,  
0.6252

■ 0.0000, 0.0000,  
0.0000

■ 48.0095, 57.9276,  
72.2691

■ 48.0095, 57.9276,  
72.2691

■ 44.1778, 55.5852,  
72.0199

■ 52.5653, 60.6485,  
72.5551

■ 41.0259, 53.5941,  
71.8017

■ 57.8763, 63.7595,  
72.8757

■ 38.5125, 51.9345,  
71.6138

■ 63.9780, 67.2805,  
73.2337

■ 36.5900, 50.5818,  
71.4541

■ 70.9020, 71.2277,  
73.6307

■ 35.2036, 49.5078,  
71.3198

■ 77.9376, 75.2348,  
74.0333

■ 34.2889, 48.6792,  
71.2081

■ 78.1952, 75.7500,  
74.1192

■ 33.7303, 48.0364,  
71.1135

■ 78.4544, 76.2683,  
74.2056

■ 33.7256, 48.0306,  
71.1126

■ 78.7151, 76.7898,  
74.2925

■ 78.9774, 77.3144,  
74.3799

# Harmonies

## Analogous

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



47.5134, 57.9276, 60.1664



48.0095, 57.9276, 72.2691



50.3474, 57.9276, 83.0361

# Triad

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



48.0095, 57.9276, 72.2691



61.6472, 57.9276, 78.0151



56.0959, 57.9276, 43.0046

# Complementary

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



48.0095, 57.9276, 72.2691



44.6285, 39.2809, 34.0851

# 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.



60.0545, 57.9276, 46.5976



48.0095, 57.9276, 72.2691



63.3627, 57.9276, 66.0724

# Square

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



48.0095, 57.9276, 72.2691



58.1821, 57.9276, 86.6337



62.7656, 57.9276, 54.6927



52.0486, 57.9276, 44.2259



# Rectangle

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



48.0095, 57.9276, 72.2691



52.7025, 57.9276, 87.5073



62.7656, 57.9276, 54.6927



57.4836, 57.9276, 43.6721

# Sweetspot

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



48.0112, 57.9299, 72.2704



86.7630, 95.2203, 108.4142



42.3037, 56.8496, 38.5076



18.3039, 20.2259, 23.1892



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.



48.0112, 57.9299, 72.2704



67.5989, 83.8350, 107.2267



41.0107, 43.9289, 69.9369



12.7400, 14.0035, 15.9690



20.4066, 29.0750, 42.9897



1.2465, 1.7851, 2.5982



# Inverse Universe

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



50.3971, 40.8132, 66.8522



71.7381, 54.4716, 97.7525



50.4058, 50.8357, 36.0109



12.9267, 12.6222, 15.5544



23.3592, 11.2800, 35.5251

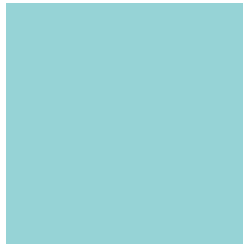


1.4168, 0.6835, 2.1844



# Previews

## White Background



This preview shows how the XYZ color 48.0095, 57.9276, 72.2691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

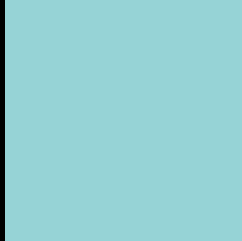
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.0095, 57.9276, 72.2691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

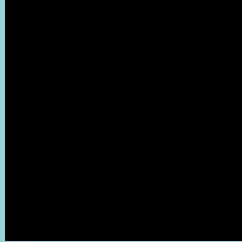
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 48.0095, 57.9276, 72.2691

## Background



This preview shows how black text looks on a background with the XYZ color 48.0095, 57.9276, 72.2691.



This preview shows how white text looks on a background with the XYZ color 48.0095, 57.9276, 72.2691.



# 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

48.0095, 57.9276, 72.2691

### Protanopia

55.4221, 57.2619, 66.5241

### Deuteranopia

58.8106, 57.4944, 74.3275



## Tritanopia

49.6648, 57.8642, 80.5028

# Trichromacy



## Original Color

48.0095, 57.9276, 72.2691

## Protanomaly

52.1560, 57.2604, 68.6251

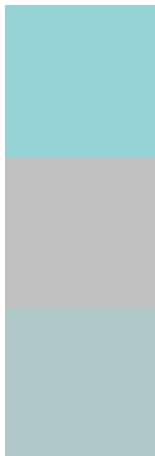
## Deuteranomaly

54.1649, 57.1371, 73.8194

## Tritanomaly

49.1803, 58.0425, 77.7185

# Monochromacy



## Original Color

48.0095, 57.9276, 72.2691

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

49.3284, 54.8727, 63.2500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.0095, 57.9276, 72.2691 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(150, 211, 214)` looks like.

```
.text, #text, p{  
    color:rgb(150, 211, 214)  
}
```

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(150, 211, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 211, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 48.0095, 57.9276, 72.2691 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(150, 211, 214) }
```



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

```
.border{ border-color:rgb(150, 211, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 211, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 211, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 211, 214);  
box-shadow:4px 4px 4px 4px rgb(150, 211,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.0095, 57.9276, 72.2691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 211, 214) }
```

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

```
.background{ background-color: rgb(150,  
211, 214) }
```

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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