

Converting Colors

XYZ(48.2563, 57.5269, 72.6824)

Have a look what the booklet for
XYZ(48.2563, 57.5269, 72.6824)
contains.

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Color

**XYZ(48.4492, 57.7718,
72.8875)**

Conversions

Conversions Part 1

Format	Color
Hex	99D2D7
RGB	153, 210, 215
RGB Percent	60%, 82%, 84%
CMY	0.4000, 0.1765, 0.1569
CMYK	0.29, 0.02, 0.00, 0.16
HSL	185°, 44%, 72%
HSV	185°, 29%, 84%
XYZ	48.4492, 57.7718, 72.8875
YIQ	193.5270, -35.5770, -10.5290

Conversions

Conversions Part 2

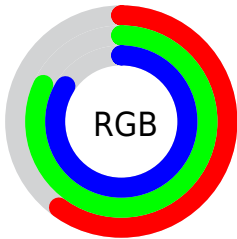
Format	Color
R _{YB}	153, 183, 215
Decimal	10080983
CIE Lab	80.61, -17.02, -8.38
CIE LCh	81, 18.972, 206.224
Yxy	57.7718, 0.2705, 0.3226
Android (android.graphics.Color)	4288271063 (0xFF99D2D7)
YUV	193.5270, 10.5862, -35.5422
Hunter-Lab	76.0078, -19.2333, -3.6506

Details

The XYZ color **48.4492, 57.7718, 72.8875** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.0016, 41.2011, 35.6663**, and the grayscale version is **50.9547, 53.6084, 58.3795**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **23.3220, 28.6901, 37.5662** is the 20% darker color. If you saturate the color by 10%, you get **44.3261, 55.0159, 72.5738**, and if you desaturate by 10%, it is **53.3116, 60.9185, 73.2396**.

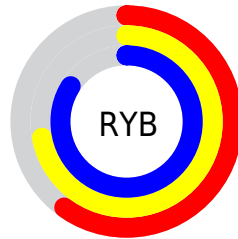
Distribution



Red (60%)

Green (82%)

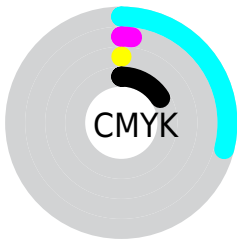
Blue (84%)



Red (60%)

Yellow (72%)

Blue (84%)

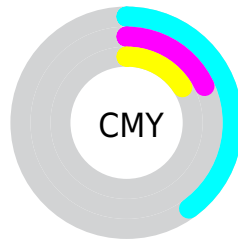


Cyan (29%)

Magenta (2%)

Yellow (0%)

Black (16%)



Cyan (40%)

Magenta (18%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4492, 57.7718, 72.8875 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 48.4492, 57.7718, 72.8875 by changing the saturation by 10% instead.

■ 48.4492, 57.7718,
72.8875

■ 48.4492, 57.7718,
72.8875

371.1229,
416.3351, 489.6851

■ 34.3955, 41.6252,
53.3927

■ 87.0785, 101.5905,
125.0369

■ 23.3619, 28.8079,
37.7265

■ 112.3848,
130.0314, 158.5286

■ 14.9831, 18.9356,
25.4703

142.1726,
163.3391, 197.5231

■ 8.8938, 11.6237,
16.2056

176.8074,
201.8982, 242.4388

■ 4.7285, 6.4880,
9.5138

216.6545,
246.0929, 293.6943

■ 2.1220, 3.1440,
4.9765

262.0792,

■ 0.7011, 1.2074,

296.3077, 351.7082

2.1750

313.4469,
352.9270, 416.8990

■ 0.0000, 0.0677,
0.6599

■ 0.0000, 0.0000,
0.0000

■ 48.4492, 57.7718,
72.8875

■ 48.4492, 57.7718,
72.8875

■ 44.3261, 55.0159,
72.5738

■ 53.3116, 60.9185,
73.2396

■ 40.8977, 52.6236,
72.2928

■ 58.9443, 64.4679,
73.6278

■ 38.1228, 50.5751,
72.0436

■ 65.3832, 68.4397,
74.0551

■ 35.9537, 48.8456,
71.8241

■ 72.6601, 72.8505,
74.5229

■ 34.3361, 47.4072,
71.6317

■ 78.7512, 76.6569,
74.9366

■ 33.2058, 46.2268,
71.4635

■ 79.2048, 77.5641,
75.0878

■ 32.4623, 45.2526,
71.3146

■ 79.6631, 78.4808,
75.2405

■ 32.3849, 45.1444,
71.2978

■ 80.1262, 79.4069,
75.3949

■ 80.5940, 80.3424,
75.5508

Harmonies

Analogous

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



47.7569, 57.7718, 61.4988



48.4492, 57.7718, 72.8875



50.8427, 57.7718, 82.5146

Triad

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



48.4492, 57.7718, 72.8875



61.3879, 57.7718, 75.6257



55.4061, 57.7718, 43.8016

Complementary

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



48.4492, 57.7718, 72.8875



46.0016, 41.2011, 35.6663

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.



59.1893, 57.7718, 46.6756



48.4492, 57.7718, 72.8875



62.7447, 57.7718, 64.3298

Square

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



48.4492, 57.7718, 72.8875



58.2939, 57.7718, 84.2225



61.9218, 57.7718, 53.8759



51.6603, 57.7718, 45.5251

Rectangle

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



48.4492, 57.7718, 72.8875



53.1425, 57.7718, 86.1737



61.9218, 57.7718, 53.8759



56.7170, 57.7718, 44.2522

Sweetspot

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



48.4509, 57.7741, 72.8888



86.5176, 94.7296, 108.3324



43.5356, 57.8132, 40.8237



18.2430, 20.1041, 23.1689



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.



48.4509, 57.7741, 72.8888



67.2313, 82.3156, 106.9528



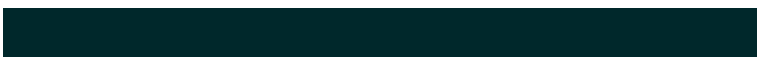
41.6981, 44.2685, 70.6379



12.7026, 13.9286, 15.9565



19.4067, 27.0751, 42.6563



1.1964, 1.6849, 2.5815

Inverse Universe

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



51.0498, 41.8840, 66.3692



71.7440, 55.2069, 95.5239



51.7869, 52.7716, 37.5947



12.9078, 12.6146, 15.4549



22.8544, 11.0781, 32.8672



1.3916, 0.6734, 2.0513

Previews

White Background



This preview shows how the XYZ color 48.4492, 57.7718, 72.8875 looks on a white background.

Color Contrast Check

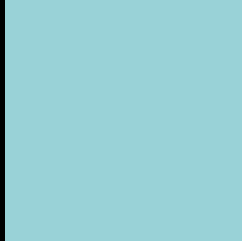
Large Text (above 18pt) WCAG AA × Fail

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 48.4492, 57.7718, 72.8875 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

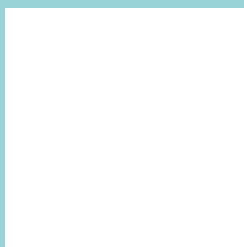
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4492, 57.7718, 72.8875

Background



This preview shows how black text looks on a background with the XYZ color 48.4492, 57.7718, 72.8875.

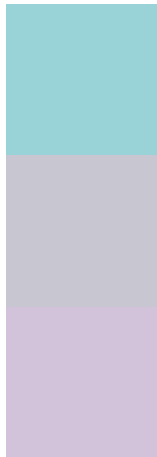


This preview shows how white text looks on a background with the XYZ color 48.4492, 57.7718,

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

48.4492, 57.7718, 72.8875

Protanopia

55.3987, 57.2216, 67.7996

Deuteranopia

58.5250, 57.3472, 74.3142



Tritanopia

49.6641, 57.5166, 79.7184

Trichromacy



Original Color

48.4492, 57.7718, 72.8875

Protanomaly

52.4068, 57.0115, 69.8702

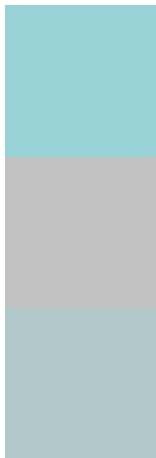
Deuteranomaly

54.1649, 57.1371, 73.8194

Tritanomaly

49.1780, 57.6914, 76.9502

Monochromacy



Original Color

48.4492, 57.7718, 72.8875

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.9054, 55.1565, 63.8931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4492, 57.7718, 72.8875 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(153, 210, 215)` looks like.

```
.text, #text, p{  
    color:rgb(153, 210, 215)  
}
```

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(153, 210, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 210, 215) }
```

Border

The CSS property to change the border of an element to XYZ 48.4492, 57.7718, 72.8875 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(153, 210, 215) }
```


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

```
.border{ border-color:rgb(153, 210, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 210, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 210, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 210, 215);  
box-shadow:4px 4px 4px 4px rgb(153, 210,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4492, 57.7718, 72.8875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 210, 215) }
```

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

```
.background{ background-color: rgb(153,  
210, 215) }
```

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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