

Converting Colors

XYZ(47.7917, 60.3754, 72.5181)

Have a look what the booklet for
XYZ(47.7917, 60.3754, 72.5181)
contains.

XYZ(47.8565, 60.4868, 72.7711)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.8565, 60.4868,
72.7711)**

Conversions

Conversions Part 1

Format	Color
Hex	8BDAD6
RGB	139, 218, 214
RGB Percent	55%, 85%, 84%
CMY	0.4549, 0.1451, 0.1608
CMYK	0.36, 0.00, 0.02, 0.15
HSL	177°, 52%, 70%
HSV	177°, 36%, 85%
XYZ	47.8565, 60.4868, 72.7711
YIQ	193.9230, -45.8000, -17.9920

Conversions

Conversions Part 2

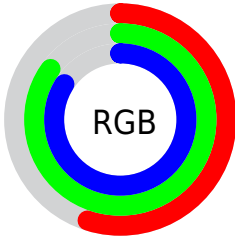
Format	Color
R _Y B	139, 180, 218
Decimal	9165526
CIE Lab	82.10, -25.08, -5.72
CIE LCh	82, 25.723, 192.850
Yxy	60.4868, 0.2642, 0.3340
Android (android.graphics.Color)	4287355606 (0xFF8BDAD6)
YUV	193.9230, 9.8980, -48.1675
Hunter-Lab	77.7733, -26.2662, -1.0353

Details

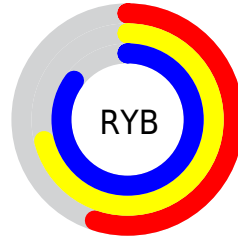
The XYZ color **47.8565, 60.4868, 72.7711** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.1061, 35.3557, 30.5414**, and the grayscale version is **51.1968, 53.8631, 58.6569**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **23.0114, 30.5824, 37.4911** is the 20% darker color. If you saturate the color by 10%, you get **44.4330, 58.7397, 71.8783**, and if you desaturate by 10%, it is **52.0103, 62.6133, 73.7057**.

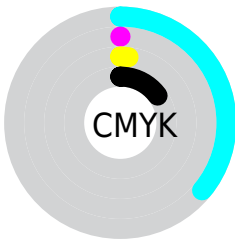
Distribution



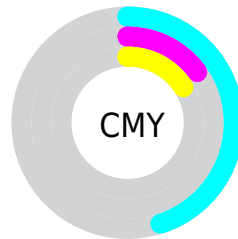
- Red (55%)
- Green (85%)
- Blue (84%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)





- Cyan (45%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8565, 60.4868, 72.7711 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 47.8565, 60.4868, 72.7711 by changing the saturation by 10% instead.


 47.8565, 60.4868,
72.7711


 47.8565, 60.4868,
72.7711


368.8151,
426.3898, 489.2706

 33.9240, 43.8111,
53.2981


 86.2017, 105.5355,
124.8701

 22.9979, 30.5221,
37.6515

 111.3451,
134.6773, 158.3332

 14.7126, 20.2352,
25.4126


140.9563,
168.7433, 197.2968

 8.7029, 12.5661,
16.1629

175.4005,
208.1179, 242.1794

 4.6035, 7.1305,
9.4839

215.0431,
253.1854, 293.3995

 2.0489, 3.5438,
4.9570

260.2496,

 0.6612, 1.4218,

304.3303, 351.3757

2.1638

311.3851,
361.9370, 416.5266

■ 0.0000, 0.2327,
0.6533

■ 0.0000, 0.0000,
0.0000

■ 47.8565, 60.4868,
72.7711

■ 47.8565, 60.4868,
72.7711

■ 44.4330, 58.7397,
71.8783

■ 52.0103, 62.6133,
73.7057

■ 41.6912, 57.3423,
71.0210

■ 56.9288, 65.1324,
74.6798

■ 39.5847, 56.2724,
70.1985

■ 62.6508, 68.0656,
75.6965

■ 38.0594, 55.5020,
69.4081

■ 69.2107, 71.4307,
76.7575

■ 37.0521, 54.9985,
68.6470

■ 76.6411, 75.2444,
77.8642

■ 36.4834, 54.7211,
67.9113

■ 79.3141, 76.6055,
78.7533

■ 36.3299, 54.6478,
67.6386

■ 79.4614, 76.6644,
79.5292

■ 79.6097, 76.7237,
80.3103

■ 79.7590, 76.7835,
81.0965

Harmonies

Analogous

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



48.0370, 60.4868, 57.3910



47.8565, 60.4868, 72.7711



50.1369, 60.4868, 88.4812

Triad

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



47.8565, 60.4868, 72.7711



64.9255, 60.4868, 90.4364



60.6405, 60.4868, 41.1183

Complementary

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



47.8565, 60.4868, 72.7711



43.1061, 35.3557, 30.5414

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.



65.5310, 60.4868, 47.4655



47.8565, 60.4868, 72.7711



68.1103, 60.4868, 75.1234

Square

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



47.8565, 60.4868, 72.7711



59.8560, 60.4868, 99.7134



68.3386, 60.4868, 59.4006



55.1889, 60.4868, 40.6935

Rectangle

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



47.8565, 60.4868, 72.7711



52.8349, 60.4868, 96.3782



68.3386, 60.4868, 59.4006



62.4126, 60.4868, 42.5777

Sweetspot

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



47.8583, 60.4892, 72.7725



85.2448, 94.9716, 107.2512



41.2818, 57.9627, 33.4397



18.0089, 20.2063, 22.9138



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.



47.8583, 60.4892, 72.7725



64.6672, 84.4389, 102.8767



40.3963, 44.7371, 72.8383



13.4149, 14.8176, 16.6477



21.7769, 32.7434, 40.5862



1.4198, 2.1249, 2.6765

Inverse Universe

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



43.1061, 35.3557, 30.5414



56.9972, 43.8492, 34.6975



48.5641, 46.7484, 30.8913



13.0826, 13.0622, 13.6965



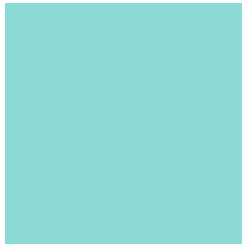
17.3703, 8.9492, 1.0641



1.1350, 0.5836, 0.1196

Previews

White Background



This preview shows how the XYZ color 47.8565, 60.4868, 72.7711 looks on a white background.

Color Contrast Check

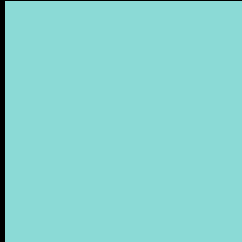
Large Text (above 18pt) WCAG AA × Fail

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 47.8565, 60.4868, 72.7711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

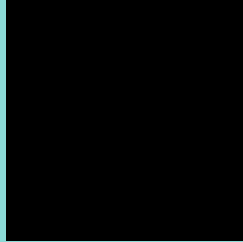
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8565, 60.4868, 72.7711

Background



This preview shows how black text looks on a background with the XYZ color 47.8565, 60.4868, 72.7711.

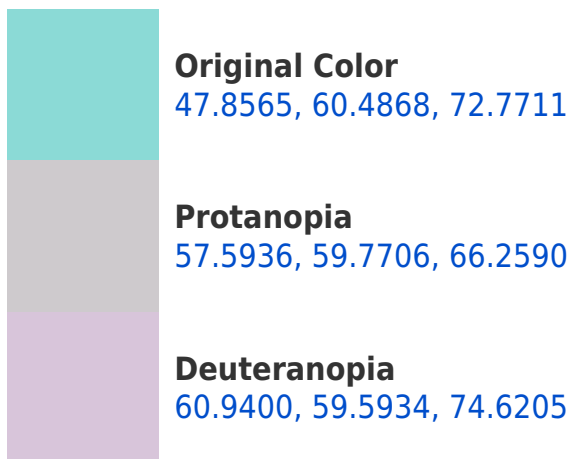


This preview shows how white text looks on a background with the XYZ color 47.8565, 60.4868,

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





Tritanopia

50.3675, 60.3564, 85.3392

Trichromacy



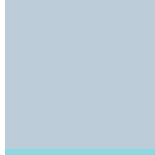
Original Color

47.8565, 60.4868, 72.7711



Protanomaly

53.2324, 59.6109, 68.3749



Deuteranomaly

55.0947, 59.3638, 74.2002



Tritanomaly

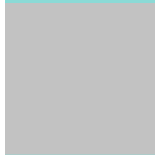
49.3018, 60.2988, 80.2745

Monochromacy



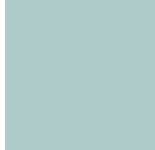
Original Color

47.8565, 60.4868, 72.7711



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

49.3541, 55.9276, 63.4522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8565, 60.4868, 72.7711 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(139, 218, 214)` looks like.

```
.text, #text, p{  
    color:rgb(139, 218, 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(139, 218, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 218, 214) }
```

Border

The CSS property to change the border of an element to XYZ 47.8565, 60.4868, 72.7711 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(139, 218, 214) }
```


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

```
.border{ border-color:rgb(139, 218, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 218, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 218, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 218, 214);  
box-shadow:4px 4px 4px 4px rgb(139, 218,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8565, 60.4868, 72.7711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 218, 214) }
```

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

```
.background{ background-color: rgb(139,  
218, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor