

Converting Colors

XYZ(47.6866, 61.0012, 71.2629)

Have a look what the booklet for
XYZ(47.6866, 61.0012, 71.2629)
contains.

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Color

**XYZ(47.6964, 60.8198,
71.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	8ADBD4
RGB	138, 219, 212
RGB Percent	54%, 86%, 83%
CMY	0.4588, 0.1412, 0.1686
CMYK	0.37, 0.00, 0.03, 0.14
HSL	175°, 53%, 70%
HSV	175°, 37%, 86%
XYZ	47.6964, 60.8198, 71.5129
YIQ	193.9830, -46.0290, -19.3490

Conversions

Conversions Part 2

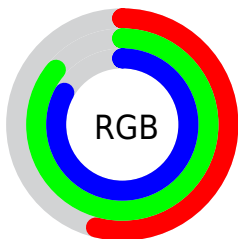
Format	Color
R _{YB}	138, 180, 219
Decimal	9100244
CIE _{Lab}	82.28, -26.30, -4.40
CIE _{LCh}	82, 26.663, 189.493
Yxy	60.8198, 0.2649, 0.3378
Android (android.graphics.Color)	4287290324 (0xFF8ADB _{D4})
YUV	193.9830, 8.8824, -49.0971
Hunter-Lab	77.9871, -27.3078, 0.2229

Details

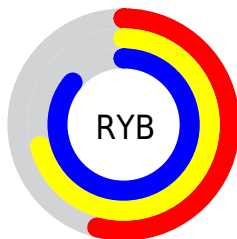
The XYZ color **47.6964, 60.8198, 71.5129** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.4148, 35.2830, 31.3124**, and the grayscale version is **51.2382, 53.9065, 58.7042**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **22.9285, 30.8242, 36.6395** is the 20% darker color. If you saturate the color by 10%, you get **44.1950, 59.0437, 70.1108**, and if you desaturate by 10%, it is **51.9346, 62.9784, 72.9668**.

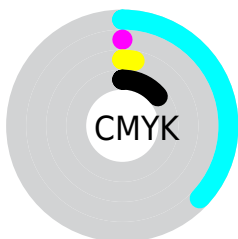
Distribution



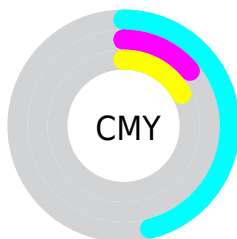
- Red (54%)
- Green (86%)
- Blue (83%)



- Red (54%)
- Yellow (71%)
- Blue (86%)



- Cyan (37%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)



- Cyan (46%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6964, 60.8198, 71.5129 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 47.6964, 60.8198, 71.5129 by changing the saturation by 10% instead.

■ 47.6964, 60.8198,
71.5129

■ 47.6964, 60.8198,
71.5129

368.1901,
427.6130, 484.7763

■ 33.7968, 44.0798,
52.2765

■ 85.9646, 106.0180,
123.0650

■ 22.8997, 30.7332,
36.8417

■ 111.0640,
135.2449, 156.2178

■ 14.6397, 20.3958,
24.7901

■ 140.6272,
169.4029, 194.8464

■ 8.6516, 12.6831,
15.7032

175.0198,
208.8764, 239.3694

■ 4.5699, 7.2107,
9.1623

214.6070,
254.0497, 290.2054

■ 2.0293, 3.5942,
4.7489

259.7542,

■ 0.6504, 1.4493,

305.3074, 347.7728

2.0446

310.8268,
363.0336, 412.4903

■ 0.0000, 0.2526,
0.5825

■ 0.0000, 0.0000,
0.0000

■ 47.6964, 60.8198,
71.5129

■ 47.6964, 60.8198,
71.5129

■ 44.1950, 59.0437,
70.1108

■ 51.9346, 62.9784,
72.9668

■ 41.3811, 57.6202,
68.7541

■ 56.9450, 65.5333,
74.4701

■ 39.2073, 56.5264,
67.4419

■ 62.7666, 68.5060,
76.0261

■ 37.6184, 55.7337,
66.1716

■ 69.4347, 71.9148,
77.6365

■ 36.5494, 55.2088,
64.9400

■ 76.9823, 75.7767,
79.3029

■ 35.9157, 54.9080,
63.7431

■ 79.9406, 77.2724,
80.7694

■ 35.7662, 54.8386,
63.3871

■ 80.1979, 77.3753,
82.1243

■ 80.4581, 77.4794,
83.4944

■ 80.7212, 77.5846,
84.8796

Harmonies

Analogous

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



48.1750, 60.8198, 55.8641



47.6964, 60.8198, 71.5129



49.7868, 60.8198, 88.1588

Triad

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



47.6964, 60.8198, 71.5129



65.0307, 60.8198, 93.3931



61.7161, 60.8198, 41.0468

Complementary

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



47.6964, 60.8198, 71.5129



43.4148, 35.2830, 31.3124

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.



66.6462, 60.8198, 48.2650



47.6964, 60.8198, 71.5129



68.6451, 60.8198, 77.7880

Square

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



47.6964, 60.8198, 71.5129



59.6263, 60.8198, 102.0862



69.2550, 60.8198, 61.1995



56.0259, 60.8198, 39.9282

Rectangle

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



47.6964, 60.8198, 71.5129



52.4417, 60.8198, 96.9706



69.2550, 60.8198, 61.1995



63.5272, 60.8198, 42.7763

Sweetspot

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



47.6982, 60.8222, 71.5143



85.0848, 94.9076, 106.4086



41.7926, 58.6207, 33.1581



17.9705, 20.1910, 22.7115



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.



47.6982, 60.8222, 71.5143



63.5804, 83.9527, 99.4803



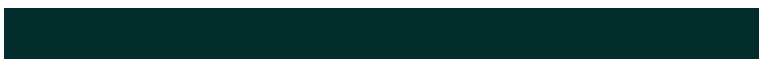
40.9548, 45.8909, 73.7199



13.3938, 14.8091, 16.5366



21.2273, 32.5235, 37.6919



1.3898, 2.1129, 2.5187

Inverse Universe

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



43.4148, 35.2830, 31.3124



56.7410, 43.1283, 35.2548



48.2528, 45.7967, 30.3424



13.1015, 13.0697, 13.7958



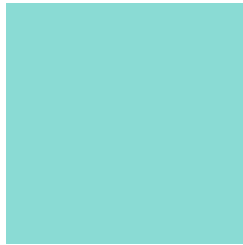
17.4083, 8.9644, 1.2643



1.1440, 0.5872, 0.1670

Previews

White Background



This preview shows how the XYZ color 47.6964, 60.8198, 71.5129 looks on a white background.

Color Contrast Check

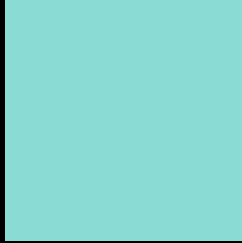
Large Text (above 18pt) WCAG AA × Fail

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 47.6964, 60.8198, 71.5129 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 47.6964, 60.8198, 71.5129

Background



This preview shows how black text looks on a background with the XYZ color 47.6964, 60.8198, 71.5129.

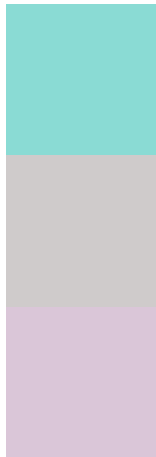


This preview shows how white text looks on a background with the XYZ color 47.6964, 60.8198,

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

47.6964, 60.8198, 71.5129

Protanopia

57.8676, 60.2891, 65.0869

Deuteranopia

61.5022, 60.2515, 73.3539



Tritanopia

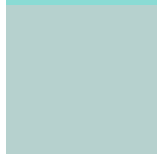
50.5915, 60.8346, 86.1666

Trichromacy



Original Color

47.6964, 60.8198, 71.5129



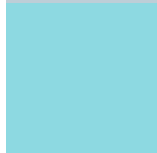
Protanomaly

53.2324, 60.0022, 67.1685



Deuteranomaly

55.3233, 59.8677, 72.9298



Tritanomaly

49.3880, 60.7247, 80.3522

Monochromacy



Original Color

47.6964, 60.8198, 71.5129



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 47.6964, 60.8198, 71.5129 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(138, 219, 212)` looks like.

```
.text, #text, p{  
    color:rgb(138, 219, 212)  
}
```

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(138, 219, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 219, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.6964, 60.8198, 71.5129 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(138, 219, 212) }
```


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

```
.border{ border-color:rgb(138, 219, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 219, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 219, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 219, 212);  
box-shadow:4px 4px 4px 4px rgb(138, 219,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6964, 60.8198, 71.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 219, 212) }
```

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

```
.background{ background-color: rgb(138,  
219, 212) }
```

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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