

Converting Colors

XYZ(47.8514, 61.5743, 76.3958)

Have a look what the booklet for
XYZ(47.8514, 61.5743, 76.3958)
contains.

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Color

**XYZ(47.8486, 61.5732,
76.3808)**

Conversions

Conversions Part 1

Format	Color
Hex	82DDDB
RGB	130, 221, 219
RGB Percent	51%, 87%, 86%
CMY	0.4902, 0.1333, 0.1412
CMYK	0.41, 0.00, 0.01, 0.13
HSL	179°, 57%, 69%
HSV	179°, 41%, 87%
XYZ	47.8486, 61.5732, 76.3808
YIQ	193.5630, -53.5940, -19.9140

Conversions

Conversions Part 2

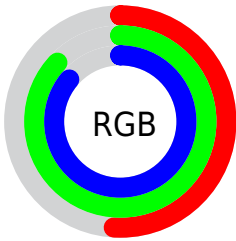
Format	Color
RYB	130, 176, 221
Decimal	8576475
CIELab	82.69, -27.62, -7.56
CIElCh	83, 28.633, 195.307
Yxy	61.5732, 0.2575, 0.3314
Android (android.graphics.Color)	4286766555 (0xFF82DDDB)
YUV	193.5630, 12.5404, -55.7448
Hunter-Lab	78.4686, -28.4743, -2.7845

Details

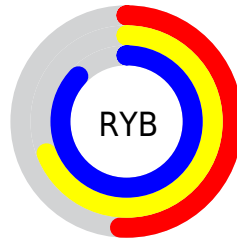
The XYZ color **47.8486, 61.5732, 76.3808** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.9684, 33.0053, 25.9908**, and the grayscale version is **50.9726, 53.6272, 58.4000**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.0847, 31.3692, 39.9601** is the 20% darker color. If you saturate the color by 10%, you get **44.7526, 59.9860, 75.9035**, and if you desaturate by 10%, it is **51.6765, 63.5406, 76.8960**.

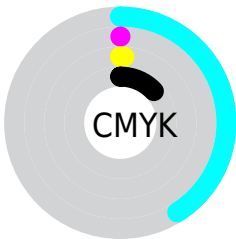
Distribution



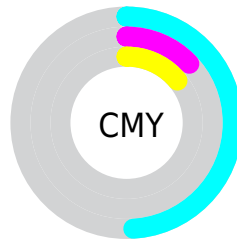
- Red (51%)
- Green (87%)
- Blue (86%)



- Red (51%)
- Yellow (69%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)





- Cyan (49%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8486, 61.5732, 76.3808 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 47.8486, 61.5732, 76.3808 by changing the saturation by 10% instead.


 47.8486, 61.5732,
76.3808


 47.8486, 61.5732,
76.3808


368.7843,
430.3726, 502.0317

 33.9178, 44.6879,
56.2363


 86.1900, 107.1084,
130.0301

 22.9930, 31.2117,
39.9871


 111.3313,
136.5272, 164.3719

 14.7090, 20.7601,
27.2148


 140.9401,
170.8926, 204.2832

 8.7004, 12.9488,
17.5008

175.3817,
210.5890, 250.1827

 4.6018, 7.3933,
10.4264

215.0216,
256.0008, 302.4887

 2.0479, 3.7092,
5.5733

260.2251,

 0.6607, 1.5123,

307.5124, 361.6198

2.5229

311.3576,
365.5082, 427.9947

■ 0.0000, 0.2973,
0.8522

■ 0.0000, 0.0000,
0.0000

■ 47.8486, 61.5732,
76.3808

■ 47.8486, 61.5732,
76.3808

■ 44.7526, 59.9860,
75.9035

■ 51.6765, 63.5406,
76.8960

■ 42.3358, 58.7475,
75.4577


■ 56.2736, 65.9031,
77.4468


■ 40.5477, 57.8330,
75.0422


■ 61.6813, 68.6834,
78.0365


■ 39.3279, 57.2115,
74.6544


■ 67.9364, 71.9006,
78.6669


 38.6045, 56.8459,
74.2907


 75.0736, 75.5724,
79.3395

 38.2704, 56.6801,
73.9848

 80.2714, 78.2445,
79.9224

 80.3367, 78.2706,
80.2660

 80.4021, 78.2968,
80.6106

 80.4678, 78.3230,
80.9562

Harmonies

Analogous

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



47.8199, 61.5732, 58.8192



47.8486, 61.5732, 76.3808



50.5990, 61.5732, 94.0969

Triad

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



47.8486, 61.5732, 76.3808



67.3333, 61.5732, 93.7757



61.5725, 61.5732, 39.3433

Complementary

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



47.8486, 61.5732, 76.3808



41.9684, 33.0053, 25.9908

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.



67.2350, 61.5732, 45.7454



47.8486, 61.5732, 76.3808



70.7157, 61.5732, 75.9991

Square

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



47.8486, 61.5732, 76.3808



61.6992, 61.5732, 105.2740



70.6785, 61.5732, 58.4986



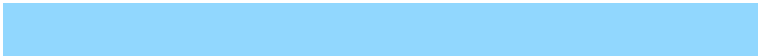
55.4587, 61.5732, 39.4092

Rectangle

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



47.8486, 61.5732, 76.3808



53.7239, 61.5732, 102.7356



70.6785, 61.5732, 58.4986



63.6007, 61.5732, 40.7534

Sweetspot

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



47.8504, 61.5756, 76.3822



84.5664, 94.6080, 107.8445



39.5658, 58.3163, 30.2914



17.8788, 20.1359, 23.0597



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.



47.8504, 61.5756, 76.3822



62.5841, 83.3140, 105.0867



38.2857, 42.0219, 74.5024



13.4319, 14.8244, 16.7371



22.2369, 32.9274, 43.0082



1.4446, 2.1348, 2.8075

Inverse Universe

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



41.9684, 33.0053, 25.9908



53.4491, 38.9265, 26.8141



48.6918, 46.6691, 27.5623



13.0676, 13.0561, 13.6173



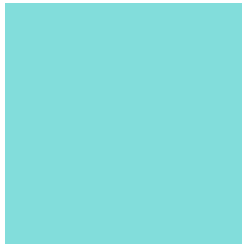
17.3431, 8.9383, 0.9207



1.1277, 0.5807, 0.0817

Previews

White Background



This preview shows how the XYZ color 47.8486, 61.5732, 76.3808 looks on a white background.

Color Contrast Check

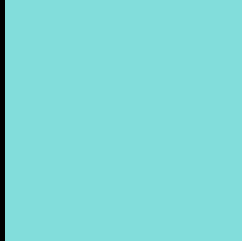
Large Text (above 18pt) WCAG AA × Fail

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 47.8486, 61.5732, 76.3808 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

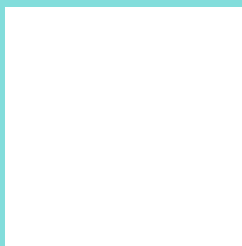
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8486, 61.5732, 76.3808

Background



This preview shows how black text looks on a background with the XYZ color 47.8486, 61.5732, 76.3808.

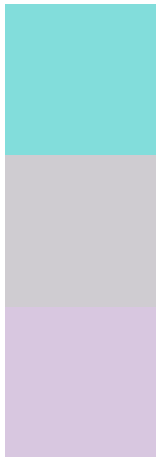


This preview shows how white text looks on a background with the XYZ color 47.8486, 61.5732,

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**

47.8486, 61.5732, 76.3808

Protanopia

58.8336, 61.0546, 69.0054

Deuteranopia

62.1969, 60.8276, 78.9838



Tritanopia

50.2034, 61.3498, 88.5526

Trichromacy



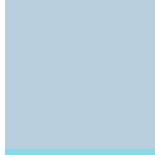
Original Color

47.8486, 61.5732, 76.3808



Protanomaly

53.6472, 60.4810, 71.7973



Deuteranomaly

55.5052, 60.2139, 77.8042



Tritanomaly

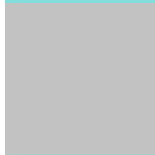
49.2873, 61.3628, 84.1094

Monochromacy



Original Color

47.8486, 61.5732, 76.3808



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

49.1669, 56.1555, 64.7476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8486, 61.5732, 76.3808 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(130, 221, 219)` looks like.

```
.text, #text, p{  
    color:rgb(130, 221, 219)  
}
```

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(130, 221, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 221, 219) }
```

Border

The CSS property to change the border of an element to XYZ 47.8486, 61.5732, 76.3808 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(130, 221, 219) }
```


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

```
.border{ border-color:rgb(130, 221, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 221, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 221, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 221, 219);  
box-shadow:4px 4px 4px 4px rgb(130, 221,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8486, 61.5732, 76.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 221, 219) }
```

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

```
.background{ background-color: rgb(130,  
221, 219) }
```

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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