

Converting Colors

XYZ(47.0675, 58.1045, 77.1026)

Have a look what the booklet for
XYZ(47.0675, 58.1045, 77.1026)
contains.

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Color

**XYZ(46.9987, 58.0432,
77.1330)**

Conversions

Conversions Part 1

Format	Color
Hex	88D5DD
RGB	136, 213, 221
RGB Percent	53%, 84%, 87%
CMY	0.4667, 0.1647, 0.1333
CMYK	0.38, 0.04, 0.00, 0.13
HSL	186°, 56%, 70%
HSV	186°, 38%, 87%
XYZ	46.9987, 58.0432, 77.1330
YIQ	190.8890, -48.4600, -13.8360

Conversions

Conversions Part 2

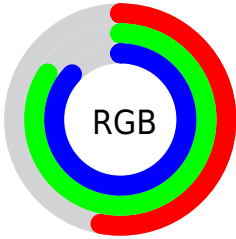
Format	Color
RYB	136, 176, 221
Decimal	8967645
CIELab	80.76, -21.70, -11.46
CIELCh	81, 24.536, 207.834
Yxy	58.0432, 0.2580, 0.3186
Android (android.graphics.Color)	4287157725 (0xFF88D5DD)
YUV	190.8890, 14.8447, -48.1377
Hunter-Lab	76.1861, -23.2102, -6.6967

Details

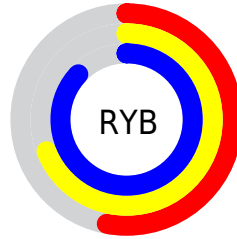
The XYZ color **46.9987, 58.0432, 77.1330** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2368, 37.0969, 28.1227**, and the grayscale version is **49.3952, 51.9676, 56.5927**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **22.4181, 28.9124, 40.4755** is the 20% darker color. If you saturate the color by 10%, you get **43.2537, 55.3424, 76.8101**, and if you desaturate by 10%, it is **51.4939, 61.1434, 77.4955**.

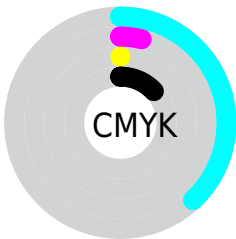
Distribution



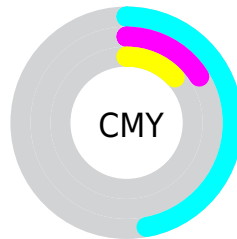
- Red (53%)
- Green (84%)
- Blue (87%)



- Red (53%)
- Yellow (69%)
- Blue (87%)



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9987, 58.0432, 77.1330 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 46.9987, 58.0432, 77.1330 by changing the saturation by 10% instead.

■ 46.9987, 58.0432,
77.1330

■ 46.9987, 58.0432,
77.1330

365.4583,
417.3469, 504.6671

■ 33.2426, 41.8434,
56.8498

■ 84.9304, 101.9858,
131.1019

■ 22.4725, 28.9787,
40.4761

■ 109.8368,
130.4973, 165.6248

■ 14.3230, 19.0647,
27.5934

■ 139.1905,
163.8815, 205.7312

■ 8.4289, 11.7170,
17.7830

173.3571,
202.5228, 251.8399

■ 4.4247, 6.5513,
10.6265

212.7018,
246.8056, 304.3693

■ 1.9451, 3.1831,
5.7053

257.5900,

■ 0.6028, 1.2281,

297.1143, 363.7379

2.6008

308.3870,
353.8333, 430.3643

■ 0.0000, 0.0844,
0.8929

■ 0.0000, 0.0000,
0.0000

■ 46.9987, 58.0432,
77.1330

■ 46.9987, 58.0432,
77.1330

■ 43.2537, 55.3424,
76.8101

■ 51.4939, 61.1434,
77.4955

■ 40.2078, 53.0106,
76.5205

■ 56.7760, 64.6579,
77.8955

■ 37.8118, 51.0237,
76.2633

■ 62.8855, 68.6090,
78.3361

■ 36.0079, 49.3519,
76.0357

■ 69.8586, 73.0154,
78.8191

■ 34.7279, 47.9599,
75.8345

■ 77.7294, 77.8946,
79.3460

■ 33.8705, 46.7956,
75.6549

■ 81.3466, 80.5911,
79.6759

■ 33.7536, 46.6250,
75.6282

■ 81.9138, 81.7255,
79.8649

■ 82.4879, 82.8737,
80.0563

■ 83.0689, 84.0356,
80.2499

Harmonies

Analogous

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



45.9998, 58.0432, 62.1513



46.9987, 58.0432, 77.1330



50.1457, 58.0432, 89.8636

Triad

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



46.9987, 58.0432, 77.1330



63.8274, 58.0432, 79.2362



55.5371, 58.0432, 39.2297

Complementary

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



46.9987, 58.0432, 77.1330



44.2368, 37.0969, 28.1227

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.



60.5156, 58.0432, 42.4119



46.9987, 58.0432, 77.1330



65.4807, 58.0432, 64.2588

Square

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



46.9987, 58.0432, 77.1330



59.8403, 58.0432, 91.2026



64.2337, 58.0432, 51.0534



50.7461, 58.0432, 41.6093

Rectangle

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



46.9987, 58.0432, 77.1330



53.1418, 58.0432, 94.5632



64.2337, 58.0432, 51.0534



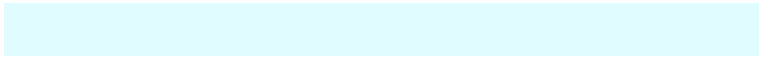
57.2457, 58.0432, 39.6725

Sweetspot

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



47.0004, 58.0455, 77.1344



83.7629, 92.8280, 108.1106



40.9752, 58.9340, 35.2368



17.6883, 19.7138, 23.1228



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.



47.0004, 58.0455, 77.1344



60.8212, 77.2768, 106.3180



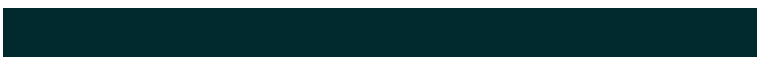
37.8475, 39.7395, 74.0834



13.3347, 14.6091, 16.7692



19.6529, 27.1752, 43.9479



1.3044, 1.8228, 2.8575

Inverse Universe

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



50.6346, 37.7859, 67.5780



66.6090, 45.8804, 90.9036



51.7351, 52.0935, 30.6221



13.5588, 13.2526, 16.2039



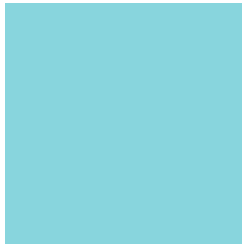
23.4152, 11.3671, 32.8960



1.5327, 0.7427, 2.2140

Previews

White Background



This preview shows how the XYZ color 46.9987, 58.0432, 77.1330 looks on a white background.

Color Contrast Check

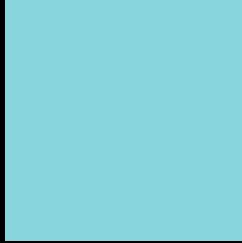
Large Text (above 18pt) WCAG AA × Fail

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 46.9987, 58.0432, 77.1330 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 46.9987, 58.0432, 77.1330

Background



This preview shows how black text looks on a background with the XYZ color 46.9987, 58.0432, 77.1330.

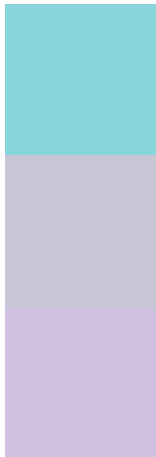


This preview shows how white text looks on a background with the XYZ color 46.9987, 58.0432,

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

46.9987, 58.0432, 77.1330

Protanopia

55.6309, 57.2837, 70.4122

Deuteranopia

58.6145, 57.2852, 79.2020



Tritanopia

48.1676, 58.1474, 82.8136

Trichromacy



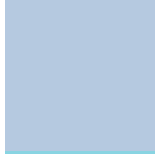
Original Color

46.9987, 58.0432, 77.1330



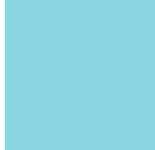
Protanomaly

51.5262, 56.8483, 72.5471



Deuteranomaly

53.3972, 56.9789, 78.7047



Tritanomaly

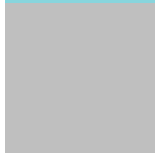
47.5875, 57.8963, 80.6185

Monochromacy



Original Color

46.9987, 58.0432, 77.1330



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.8787, 53.7690, 63.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9987, 58.0432, 77.1330 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(136, 213, 221)` looks like.

```
.text, #text, p{  
    color:rgb(136, 213, 221)  
}
```

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(136, 213, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 213, 221) }
```

Border

The CSS property to change the border of an element to XYZ 46.9987, 58.0432, 77.1330 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(136, 213, 221) }
```


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

```
.border{ border-color:rgb(136, 213, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 213, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 213, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 213, 221);  
box-shadow:4px 4px 4px 4px rgb(136, 213,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9987, 58.0432, 77.1330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 213, 221) }
```

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

```
.background{ background-color: rgb(136,  
213, 221) }
```

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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