

Converting Colors

XYZ(47.5058, 56.6813, 47.1017)

Have a look what the booklet for
XYZ(47.5058, 56.6813, 47.1017)
contains.

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Color

**XYZ(47.5680, 56.7960,
46.9837)**

Conversions

Conversions Part 1

Format	Color
Hex	B0CFAB
RGB	176, 207, 171
RGB Percent	69%, 81%, 67%
CMY	0.3098, 0.1882, 0.3294
CMYK	0.15, 0.00, 0.17, 0.19
HSL	112°, 27%, 74%
HSV	112°, 17%, 81%
XYZ	47.5680, 56.7960, 46.9837
YIQ	193.6270, -6.9200, -17.7680

Conversions

Conversions Part 2

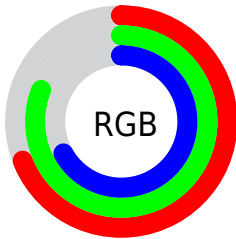
Format	Color
RYB	171, 207, 202
Decimal	11587499
CIELab	80.06, -17.10, 14.50
CIELCh	80, 22.416, 139.708
Yxy	56.7960, 0.3143, 0.3753
Android (android.graphics.Color)	4289777579 (0xFFB0CFAB)
YUV	193.6270, -11.1551, -15.4589
Hunter-Lab	75.3631, -19.2191, 15.7910

Details

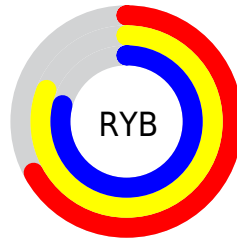
The XYZ color **47.5680, 56.7960, 46.9837** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.1848, 46.1890, 65.3047**, and the grayscale version is **51.1257, 53.7883, 58.5754**.

A 20% lighter version of the original color is **82.7662, 94.1668, 85.7653**, and **22.8894, 28.3253, 21.7137** is the 20% darker color. If you saturate the color by 10%, you get **41.9783, 54.1265, 37.2165**, and if you desaturate by 10%, it is **53.9992, 59.8669, 58.4057**.

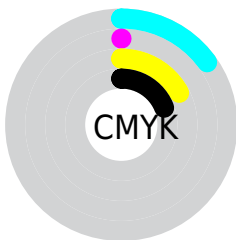
Distribution



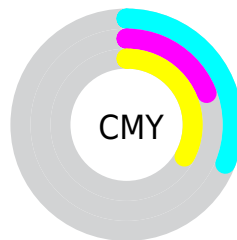
- Red (69%)
- Green (81%)
- Blue (67%)



- Red (67%)
- Yellow (81%)
- Blue (79%)



- Cyan (15%)
- Magenta (0%)
- Yellow (17%)
- Black (19%)



- Cyan (31%)
- Magenta (19%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5680, 56.7960, 46.9837 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 47.5680, 56.7960, 46.9837 by changing the saturation by 10% instead.

■ 47.5680, 56.7960,
46.9837

■ 47.5680, 56.7960,
46.9837

367.6884,
412.6845, 391.1413

■ 33.6947, 40.8415,
32.6685

■ 85.7744, 100.1675,
87.0390

■ 22.8210, 28.1952,
21.6036

110.8383,
128.3532, 113.6162

■ 14.5813, 18.4729,
13.3704

140.3631,
161.3848, 145.1179

■ 8.6105, 11.2900,
7.5504

174.7142,
199.6466, 181.9625

■ 4.5431, 6.2623,
3.7250

214.2569,
243.5231, 224.5686

■ 2.0137, 3.0052,
1.4757

259.3566,

■ 0.6416, 1.1344,

293.3987, 273.3547

0.1997

310.3786,
349.6576, 328.7395

■ 0.0000, 0.0072,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.5680, 56.7960,
46.9837

■ 47.5680, 56.7960,
46.9837

■ 41.9783, 54.1265,
37.2165

■ 53.9992, 59.8669,
58.4057

■ 37.1906, 51.8347,
29.0238

■ 61.2999, 63.3472,
71.5504

■ 33.1692, 49.9057,
22.3245

■ 69.5028, 67.2539,
86.4861

■ 29.8739, 48.3207,
17.0283

■ 78.6373, 71.6007,
103.2767

■ 27.2606, 47.0592,
13.0356

■ 81.6039, 73.1079,
104.4180

■ 25.2804, 46.0983,
10.2336

■ 23.8778, 45.4124,
8.4900

■ 22.9834, 44.9695,
7.6237

■ 22.8134, 44.8854,
7.4614

Harmonies

Analogous

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



51.0800, 56.7960, 41.0874



47.5680, 56.7960, 46.9837



45.8081, 56.7960, 57.4629

Triad

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



47.5680, 56.7960, 46.9837



52.4316, 56.7960, 89.9813



62.6642, 56.7960, 53.7544

Complementary

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



47.5680, 56.7960, 46.9837



50.1848, 46.1890, 65.3047

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.



63.0766, 56.7960, 66.4364



47.5680, 56.7960, 46.9837



56.9937, 56.7960, 88.6184

Square

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



47.5680, 56.7960, 46.9837



48.5095, 56.7960, 83.0380



60.9500, 56.7960, 79.5408



59.8532, 56.7960, 44.5985

Rectangle

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



47.5680, 56.7960, 46.9837



45.7942, 56.7960, 66.1726



60.9500, 56.7960, 79.5408



63.0938, 56.7960, 57.7030

Sweetspot

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



47.5695, 56.7984, 46.9849



89.1399, 97.1826, 98.2613



54.1120, 58.2619, 46.9226



18.9080, 20.7193, 20.7243



0.0000, 0.0000, 0.0000



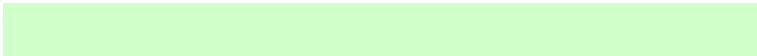
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.5695, 56.7984, 46.9849



72.6179, 89.2969, 68.9450



47.7190, 56.7300, 53.5643



11.8068, 13.2839, 12.5538



14.4200, 28.3027, 4.7030



0.8570, 1.6086, 0.2653

Inverse Universe

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



50.1848, 46.1890, 65.3047



77.5987, 69.0803, 103.8517



50.0796, 46.3057, 57.5753



12.1427, 11.9224, 14.9049



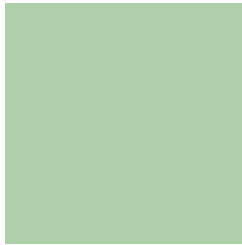
18.7605, 8.8517, 37.9123



1.0945, 0.5184, 2.1219

Previews

White Background



This preview shows how the XYZ color 47.5680, 56.7960, 46.9837 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 47.5680, 56.7960, 46.9837 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 47.5680, 56.7960, 46.9837

Background



This preview shows how black text looks on a background with the XYZ color 47.5680, 56.7960, 46.9837.



This preview shows how white text looks on a background with the XYZ color 47.5680, 56.7960,

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

47.5680, 56.7960, 46.9837

Protanopia

53.3715, 56.6967, 44.2070

Deuteranopia

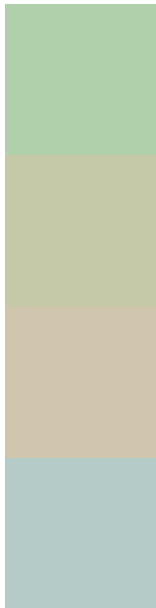
57.6348, 56.4863, 47.9097



Tritanopia

52.9395, 56.8503, 73.8286

Trichromacy



Original Color

47.5680, 56.7960, 46.9837

Protanomaly

50.9805, 56.4708, 45.2588

Deuteranomaly

53.5215, 56.3595, 47.5928

Tritanomaly

50.6037, 56.5853, 62.8985

Monochromacy



Original Color

47.5680, 56.7960, 46.9837

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.7799, 54.9568, 54.4384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5680, 56.7960, 46.9837 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(176, 207, 171)` looks like.

```
.text, #text, p{  
    color:rgb(176, 207, 171)  
}
```

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(176, 207, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 207, 171) }
```

Border

The CSS property to change the border of an element to XYZ 47.5680, 56.7960, 46.9837 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(176, 207, 171) }
```


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

```
.border{ border-color:rgb(176, 207, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 207, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 207, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 207, 171); box-shadow:4px 4px 4px 4px rgb(176, 207, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5680, 56.7960, 46.9837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 207, 171) }
```

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

```
.background{ background-color: rgb(176,  
207, 171) }
```

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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