

Converting Colors

XYZ(46.7753, 56.8482, 41.4713)

Have a look what the booklet for
XYZ(46.7753, 56.8482, 41.4713)
contains.

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Color

**XYZ(46.7184, 56.8451,
41.3108)**

Conversions

Conversions Part 1

Format	Color
Hex	B0D09F
RGB	176, 208, 159
RGB Percent	69%, 82%, 62%
CMY	0.3098, 0.1843, 0.3765
CMYK	0.15, 0.00, 0.24, 0.18
HSL	99°, 34%, 72%
HSV	99°, 24%, 82%
XYZ	46.7184, 56.8451, 41.3108
YIQ	192.8460, -3.3430, -22.0230

Conversions

Conversions Part 2

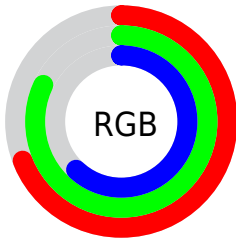
Format	Color
RYB	159, 208, 191
Decimal	11587743
CIELab	80.09, -19.59, 20.89
CIElCh	80, 28.641, 133.169
Yxy	56.8451, 0.3225, 0.3924
Android (android.graphics.Color)	4289777823 (0xFFB0D09F)
YUV	192.8460, -16.6861, -14.7739
Hunter-Lab	75.3957, -21.3362, 20.2908

Details

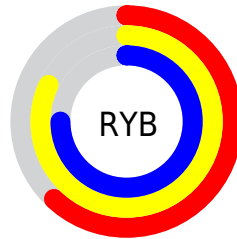
The XYZ color **46.7184, 56.8451, 41.3108** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.2716, 40.4284, 65.0950**, and the grayscale version is **50.6957, 53.3358, 58.0827**.

A 20% lighter version of the original color is **81.1763, 93.5308, 77.3931**, and **22.3778, 28.3837, 18.2091** is the 20% darker color. If you saturate the color by 10%, you get **42.1440, 54.6799, 32.4543**, and if you desaturate by 10%, it is **51.9070, 59.2952, 51.7839**.

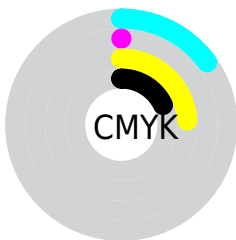
Distribution



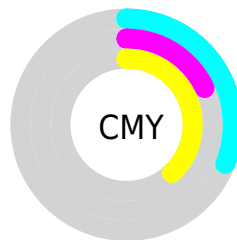
- Red (69%)
- Green (82%)
- Blue (62%)



- Red (62%)
- Yellow (82%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)



- Cyan (31%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7184, 56.8451, 41.3108 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 46.7184, 56.8451, 41.3108 by changing the saturation by 10% instead.


 46.7184, 56.8451,
41.3108


 46.7184, 56.8451,
41.3108


364.3571,
412.8686, 367.3330

 33.0201, 40.8809,
28.2405


 84.5144, 100.2391,
78.4143

 22.3012, 28.2260,
18.2664


 109.3429,
128.4377, 103.2845

 14.1962, 18.4961,
10.9700


138.6121,
161.4833, 132.9251

 8.3399, 11.3068,
5.9328

172.6874,
199.7601, 167.7547

 4.3668, 6.2736,
2.7361

211.9342,
243.6527, 208.1917

 1.9117, 3.0121,
0.9615

256.7179,

 0.5836, 1.1381,

293.5454, 254.6547

0.0000

307.4037,
349.8226, 307.5623

■ 0.0000, 0.0102,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7184, 56.8451,
41.3108

■ 46.7184, 56.8451,
41.3108

■ 42.1440, 54.6799,
32.4543

■ 51.9070, 59.2952,
51.7839

■ 38.1552, 52.7816,
25.1304

■ 57.7281, 62.0329,
63.9447

■ 34.7274, 51.1411,
19.2527

■ 64.2046, 65.0703,
77.8646

■ 31.8328, 49.7460,
14.7253

■ 71.3572, 68.4165,
93.6098

■ 29.4403, 48.5829,
11.4401

■ 77.8893, 71.5538,
104.3138

■ 27.5153, 47.6365,
9.2730

■ 81.8470, 73.5941,
104.4990

■ 26.0176, 46.8894,
8.0737

■ 25.2412, 46.4978,
7.6446

Harmonies

Analogous

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



51.5160, 56.8451, 35.6050



46.7184, 56.8451, 41.3108



43.9958, 56.8451, 53.0577

Triad

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



46.7184, 56.8451, 41.3108



50.8488, 56.8451, 97.9838



65.6944, 56.8451, 54.8657

Complementary

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



46.7184, 56.8451, 41.3108



45.2716, 40.4284, 65.0950

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.



65.4835, 56.8451, 71.6621



46.7184, 56.8451, 41.3108



56.6235, 56.8451, 98.7067

Square

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



46.7184, 56.8451, 41.3108



46.2603, 56.8451, 86.5556



62.0663, 56.8451, 88.3821



62.6234, 56.8451, 42.4284

Rectangle

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



46.7184, 56.8451, 41.3108



43.5933, 56.8451, 63.6862



62.0663, 56.8451, 88.3821



66.0112, 56.8451, 60.1370

Sweetspot

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



46.7199, 56.8476, 41.3120



88.1483, 96.7588, 94.2661



50.8709, 53.1117, 40.3722



18.7452, 20.6529, 19.9207



0.0000, 0.0000, 0.0000



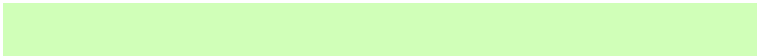
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7199, 56.8476, 41.3120



70.4860, 88.4273, 58.4810



43.7708, 55.2513, 44.6037



12.0375, 13.4028, 12.5646



15.8253, 29.0272, 4.7687



0.9695, 1.6667, 0.2706

Inverse Universe

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



45.2716, 40.4284, 65.0950



67.8150, 58.1964, 102.2665



48.9142, 42.4083, 60.6530



11.8961, 11.7953, 14.8934



13.5160, 6.1481, 37.6668



0.8395, 0.3869, 2.1100

Previews

White Background



This preview shows how the XYZ color 46.7184, 56.8451, 41.3108 looks on a white background.

Color Contrast Check

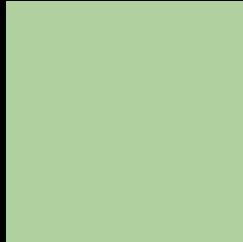
Large Text (above 18pt) WCAG AA × Fail

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 46.7184, 56.8451, 41.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

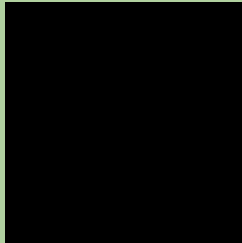
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7184, 56.8451, 41.3108

Background



This preview shows how black text looks on a background with the XYZ color 46.7184, 56.8451, 41.3108.



This preview shows how white text looks on a background with the XYZ color 46.7184, 56.8451,

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

46.7184, 56.8451, 41.3108

Protanopia

52.8908, 56.5701, 38.7033

Deuteranopia

57.6574, 56.2942, 42.4773



Tritanopia

53.0565, 56.5807, 73.0905

Trichromacy



Original Color

46.7184, 56.8451, 41.3108

Protanomaly

50.4100, 56.6471, 39.7296

Deuteranomaly

53.0662, 56.2428, 42.2415

Tritanomaly

50.4977, 56.5971, 59.8926

Monochromacy



Original Color

46.7184, 56.8451, 41.3108

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.0281, 54.2892, 51.6109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7184, 56.8451, 41.3108 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, 208, 159)` looks like.

```
.text, #text, p{  
    color:rgb(176, 208, 159)  
}
```

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, 208, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 208, 159) }
```

Border

The CSS property to change the border of an element to XYZ 46.7184, 56.8451, 41.3108 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, 208, 159) }
```


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

```
.border{ border-color:rgb(176, 208, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 208, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 208, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 208, 159);  
box-shadow:4px 4px 4px 4px rgb(176, 208,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7184, 56.8451, 41.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 208, 159) }
```

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

```
.background{ background-color: rgb(176,  
208, 159) }
```

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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