

Converting Colors

XYZ(47.1482, 56.6813, 40.9714)

Have a look what the booklet for
XYZ(47.1482, 56.6813, 40.9714)
contains.

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Color

**XYZ(47.0748, 56.6780,
40.8066)**

Conversions

Conversions Part 1

Format	Color
Hex	B3CF9E
RGB	179, 207, 158
RGB Percent	70%, 81%, 62%
CMY	0.2980, 0.1882, 0.3804
CMYK	0.14, 0.00, 0.24, 0.19
HSL	94°, 34%, 72%
HSV	94°, 24%, 81%
XYZ	47.0748, 56.6780, 40.8066
YIQ	193.0420, -0.9590, -21.1750

Conversions

Conversions Part 2

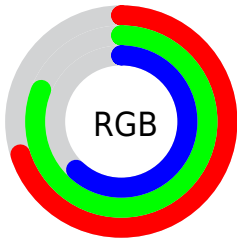
Format	Color
RYB	158, 207, 186
Decimal	11784094
CIELab	80.00, -18.19, 21.32
CIElCh	80, 28.022, 130.470
Yxy	56.6780, 0.3256, 0.3921
Android (android.graphics.Color)	4289974174 (0xFFB3CF9E)
YUV	193.0420, -17.2757, -12.3148
Hunter-Lab	75.2848, -20.1342, 20.5624

Details

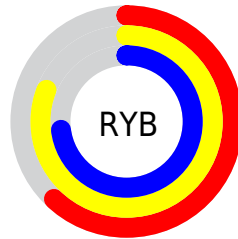
The XYZ color **47.0748, 56.6780, 40.8066** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.7414, 39.3994, 64.3340**, and the grayscale version is **50.8133, 53.4596, 58.2175**.

A 20% lighter version of the original color is **82.0312, 93.9863, 76.7684**, and **22.5969, 28.2587, 17.8992** is the 20% darker color. If you saturate the color by 10%, you get **42.8235, 54.6769, 32.0771**, and if you desaturate by 10%, it is **51.8639, 58.9250, 51.1303**.

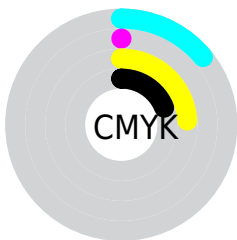
Distribution



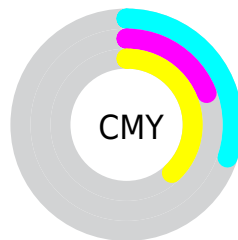
- Red (70%)
- Green (81%)
- Blue (62%)



- Red (62%)
- Yellow (81%)
- Blue (73%)



- Cyan (14%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)





- Cyan (30%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0748, 56.6780, 40.8066 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 47.0748, 56.6780, 40.8066 by changing the saturation by 10% instead.


 47.0748, 56.6780,
40.8066


 47.0748, 56.6780,
40.8066


365.7569,
412.2416, 365.1643

 33.3030, 40.7468,
27.8494


 85.0433, 99.9952,
77.6407

 22.5190, 28.1213,
17.9741


 109.9708,
128.1500, 102.3547

 14.3575, 18.4171,
10.7622


139.3474,
161.1480, 131.8248

 8.4531, 11.2499,
5.7950


173.5387,
199.3738, 166.4694

 4.4404, 6.2351,
2.6541

212.9099,
243.2116, 206.7071

 1.9542, 2.9886,
0.9202

257.8265,

 0.6080, 1.1258,

293.0459, 252.9565

0.0000

308.6537,
349.2612, 305.6360

■ 0.0000, 0.0000,
0.0000

■ 47.0748, 56.6780,
40.8066

■ 47.0748, 56.6780,
40.8066

■ 42.8235, 54.6769,
32.0771

■ 51.8639, 58.9250,
51.1303

■ 39.0846, 52.9053,
24.8586

■ 57.2059, 61.4191,
63.1184

■ 35.8371, 51.3560,
19.0662

■ 63.1208, 64.1708,
76.8413

■ 33.0568, 50.0186,
14.6048

■ 69.6264, 67.1877,
92.3643

■ 30.7168, 48.8815,
11.3680

■ 75.6743, 70.0511,
104.1405

■ 28.7868, 47.9318,
9.2328

■ 79.7811, 72.1682,
104.3327

■ 27.2314, 47.1545,
8.0506

■ 81.6040, 73.1080,
104.4180

■ 26.4057, 46.7373,
7.6295

Harmonies

Analogous

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



51.9063, 56.6780, 35.7366



47.0748, 56.6780, 40.8066



44.2001, 56.6780, 51.8159

Triad

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



47.0748, 56.6780, 40.8066



50.2941, 56.6780, 96.2185



65.3658, 56.6780, 56.1903

Complementary

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



47.0748, 56.6780, 40.8066



43.7414, 39.3994, 64.3340

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.



64.8581, 56.6780, 72.7957



47.0748, 56.6780, 40.8066



55.8841, 56.6780, 97.9520

Square

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



47.0748, 56.6780, 40.8066



45.9662, 56.6780, 84.3743



61.2911, 56.6780, 88.7613



62.6332, 56.6780, 43.5222

Rectangle

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



47.0748, 56.6780, 40.8066



43.6508, 56.6780, 61.9700



61.2911, 56.6780, 88.7613



65.5729, 56.6780, 61.4561

Sweetspot

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



47.0763, 56.6805, 40.8078



88.6541, 97.0196, 94.2898



49.4157, 50.7558, 39.5410



18.8622, 20.7132, 19.9262



0.0000, 0.0000, 0.0000



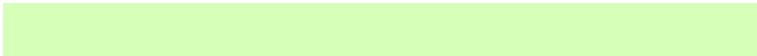
20.3446, 21.4041, 23.3091

Same Dimension

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



47.0763, 56.6805, 40.8078



72.1588, 89.2897, 58.5593



42.8717, 54.4800, 42.0987



12.1298, 13.4504, 12.5689



16.7396, 29.4985, 4.8115



1.0260, 1.6958, 0.2732

Inverse Universe

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



43.7414, 39.3994, 64.3340



65.9732, 57.2469, 102.1803



48.8283, 42.0675, 62.5084



11.8011, 11.7463, 14.8889



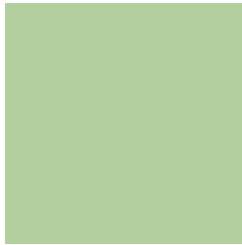
11.9387, 5.3349, 37.5930



0.7574, 0.3446, 2.1062

Previews

White Background



This preview shows how the XYZ color 47.0748, 56.6780, 40.8066 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 47.0748, 56.6780, 40.8066 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

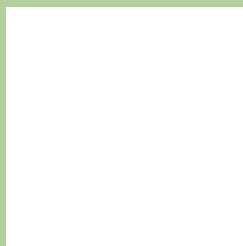
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0748, 56.6780, 40.8066

Background



This preview shows how black text looks on a background with the XYZ color 47.0748, 56.6780, 40.8066.



This preview shows how white text looks on a background with the XYZ color 47.0748, 56.6780,

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

47.0748, 56.6780, 40.8066

Protanopia

52.8908, 56.5701, 38.7033

Deuteranopia

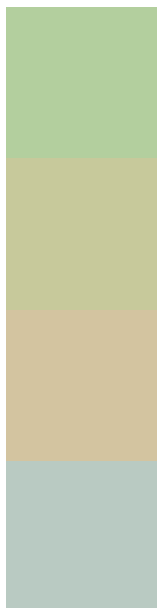
57.4796, 56.2231, 41.5409



Tritanopia

53.4282, 56.4445, 72.3689

Trichromacy



Original Color

47.0748, 56.6780, 40.8066

Protanomaly

50.3562, 56.2820, 39.2198

Deuteranomaly

52.9491, 55.8668, 41.2504

Tritanomaly

50.8657, 56.4504, 59.2540

Monochromacy



Original Color

47.0748, 56.6780, 40.8066

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.1713, 54.3748, 51.0838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0748, 56.6780, 40.8066 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(179, 207, 158)` looks like.

```
.text, #text, p{  
    color:rgb(179, 207, 158)  
}
```

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(179, 207, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 207, 158) }
```

Border

The CSS property to change the border of an element to XYZ 47.0748, 56.6780, 40.8066 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(179, 207, 158) }
```


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

```
.border{ border-color:rgb(179, 207, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 207, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 207, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 207, 158);  
box-shadow:4px 4px 4px 4px rgb(179, 207,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0748, 56.6780, 40.8066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 207, 158) }
```

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

```
.background{ background-color: rgb(179,  
207, 158) }
```

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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