

Converting Colors

XYZ(48.1571, 56.6813, 38.2283)

Have a look what the booklet for
XYZ(48.1571, 56.6813, 38.2283)
contains.

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Color

**XYZ(47.9923, 56.4944,
38.0808)**

Conversions

Conversions Part 1

Format	Color
Hex	BBCD98
RGB	187, 205, 152
RGB Percent	73%, 80%, 60%
CMY	0.2667, 0.1961, 0.4039
CMYK	0.09, 0.00, 0.26, 0.20
HSL	80°, 35%, 70%
HSV	80°, 26%, 80%
XYZ	47.9923, 56.4944, 38.0808
YIQ	193.5760, 6.2850, -20.2990

Conversions

Conversions Part 2

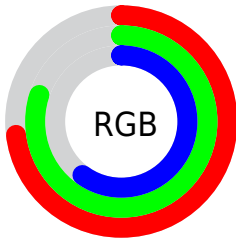
Format	Color
RYB	152, 205, 170
Decimal	12307864
CIELab	79.89, -15.19, 24.42
CIELCh	80, 28.761, 121.873
Yxy	56.4944, 0.3366, 0.3963
Android (android.graphics.Color)	4290497944 (0xFFBBCD98)
YUV	193.5760, -20.4970, -5.7672
Hunter-Lab	75.1628, -17.5605, 22.5750

Details

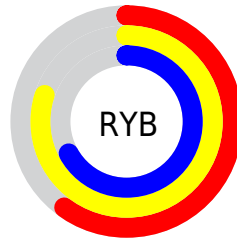
The XYZ color **47.9923, 56.4944, 38.0808** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8275, 35.4118, 62.5494**, and the grayscale version is **51.1435, 53.8069, 58.5957**.

A 20% lighter version of the original color is **84.3307, 95.2581, 72.9734**, and **23.0884, 28.0593, 16.5110** is the 20% darker color. If you saturate the color by 10%, you get **44.7942, 55.0250, 29.9113**, and if you desaturate by 10%, it is **51.5662, 58.1275, 47.7851**.

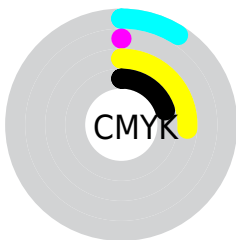
Distribution



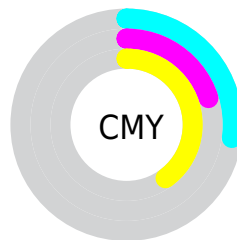
- Red (73%)
- Green (80%)
- Blue (60%)



- Red (60%)
- Yellow (80%)
- Blue (67%)



- Cyan (9%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)





- Cyan (27%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9923, 56.4944, 38.0808 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 47.9923, 56.4944, 38.0808 by changing the saturation by 10% instead.

 47.9923, 56.4944,
38.0808


 47.9923, 56.4944,
38.0808


369.3447,
411.5520, 353.2750

 34.0320, 40.5995,
25.7431


 86.4027, 99.7271,
73.4368

 23.0812, 28.0062,
16.4075


 111.5835,
127.8336, 97.2921

 14.7745, 18.3304,
9.6555

141.2353,
160.7794, 125.8237

 8.7466, 11.1874,
5.0685

175.7232,
198.9490, 159.4502

 4.6320, 6.1930,
2.2281

215.4128,
242.7266, 198.5900

 2.0655, 2.9628,
0.6905

260.6693,

 0.6704, 1.1124,

292.4967, 243.6617

0.0000

311.8582,
348.6437, 295.0839

■ 0.0000, 0.0000,
0.0000

■ 47.9923, 56.4944,
38.0808

■ 47.9923, 56.4944,
38.0808

■ 44.7942, 55.0250,
29.9113

■ 51.5662, 58.1275,
47.7851

■ 41.9515, 53.7052,
23.1943

■ 55.5265, 59.9229,
59.0935

■ 39.4481, 52.5305,
17.8452


■ 59.8887, 61.8889,
72.0755

■ 37.2649, 51.4930,
13.7694


■ 64.6662, 64.0309,
86.7957


■ 35.3804, 50.5839,
10.8602


■ 69.8716, 66.3541,
103.3149


 33.7698, 49.7932,
8.9935


 72.1263, 67.5073,
103.8365

 32.4024, 49.1086,
8.0152

 74.3905, 68.6745,
103.9424

 31.8834, 48.8464,
7.7479

 76.7448, 69.8882,
104.0526

 79.1901, 71.1488,
104.1671

Harmonies

Analogous

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



53.3306, 56.4944, 34.6837



47.9923, 56.4944, 38.0808



44.4053, 56.4944, 47.5868

Triad

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



47.9923, 56.4944, 38.0808



48.5836, 56.4944, 94.3882



65.6962, 56.4944, 60.4693

Complementary

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



47.9923, 56.4944, 38.0808



38.8275, 35.4118, 62.5494

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.



64.2003, 56.4944, 77.9208



47.9923, 56.4944, 38.0808



54.0635, 56.4944, 99.4981

Square

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



47.9923, 56.4944, 38.0808



44.7289, 56.4944, 80.0683



59.8351, 56.4944, 92.9989



63.7884, 56.4944, 46.0713

Rectangle

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



47.9923, 56.4944, 38.0808



43.3468, 56.4944, 57.0857



59.8351, 56.4944, 92.9989



65.5743, 56.4944, 66.1631

Sweetspot

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



47.9938, 56.4969, 38.0820



89.4340, 97.4644, 92.3934



45.1587, 43.8726, 35.7947



18.9268, 20.7637, 19.1546



0.0000, 0.0000, 0.0000



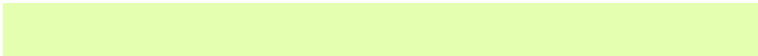
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9938, 56.4969, 38.0820



75.6333, 91.1708, 54.6598



42.1650, 53.4920, 37.8092



11.7694, 12.8985, 11.9488



19.9526, 30.4613, 4.8280



1.1084, 1.6122, 0.2528

Inverse Universe

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



38.8275, 35.4118, 62.5494



58.1403, 50.9198, 101.3719



45.0580, 38.6238, 62.8410



10.9550, 11.0261, 14.1212



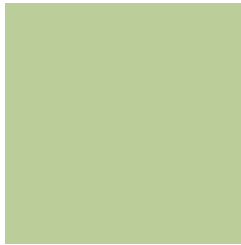
8.5079, 3.5935, 36.2015



0.5198, 0.2271, 1.8714

Previews

White Background



This preview shows how the XYZ color 47.9923, 56.4944, 38.0808 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 47.9923, 56.4944, 38.0808 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

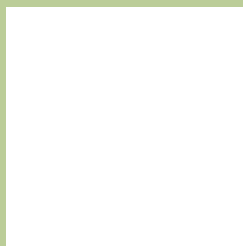
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9923, 56.4944, 38.0808

Background



This preview shows how black text looks on a background with the XYZ color 47.9923, 56.4944, 38.0808.



This preview shows how white text looks on a background with the XYZ color 47.9923, 56.4944,

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

47.9923, 56.4944, 38.0808

Protanopia

52.7703, 56.5551, 36.5687

Deuteranopia

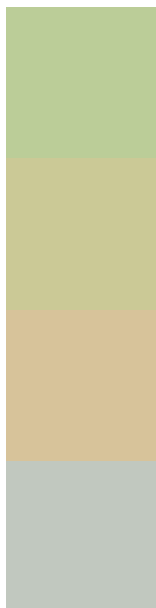
57.2848, 56.1824, 38.8354



Tritanopia

54.7414, 56.4724, 70.9659

Trichromacy



Original Color

47.9923, 56.4944, 38.0808

Protanomaly

51.0203, 56.6718, 37.1039

Deuteranomaly

53.3722, 55.8104, 38.5313

Tritanomaly

52.0506, 56.4076, 57.4346

Monochromacy



Original Color

47.9923, 56.4944, 38.0808

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.8166, 54.7192, 50.5841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9923, 56.4944, 38.0808 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(187, 205, 152)` looks like.

```
.text, #text, p{  
    color:rgb(187, 205, 152)  
}
```

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(187, 205, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 205, 152) }
```

Border

The CSS property to change the border of an element to XYZ 47.9923, 56.4944, 38.0808 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(187, 205, 152) }
```


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

```
.border{ border-color:rgb(187, 205, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 205, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 205, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 205, 152);  
box-shadow:4px 4px 4px 4px rgb(187, 205,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9923, 56.4944, 38.0808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 205, 152) }
```

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

```
.background{ background-color: rgb(187,  
205, 152) }
```

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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