

Converting Colors

XYZ(47.6159, 51.8348, 38.9574)

Have a look what the booklet for
XYZ(47.6159, 51.8348, 38.9574)
contains.

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Color

**XYZ(47.6153, 51.8353,
38.9481)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C09C
RGB	196, 192, 156
RGB Percent	77%, 75%, 61%
CMY	0.2314, 0.2470, 0.3882
CMYK	0.00, 0.02, 0.20, 0.23
HSL	54°, 25%, 69%
HSV	54°, 20%, 77%
XYZ	47.6153, 51.8353, 38.9481
YIQ	189.0920, 13.9400, -10.3480

Conversions

Conversions Part 2

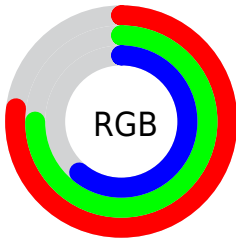
Format	Color
RYB	160, 196, 156
Decimal	12894364
CIELab	77.18, -4.54, 18.69
CIELCh	77, 19.230, 103.662
Yxy	51.8353, 0.3440, 0.3745
Android (android.graphics.Color)	4291084444 (0xFFC4C09C)
YUV	189.0920, -16.3144, 6.0583
Hunter-Lab	71.9967, -7.9427, 18.3236

Details

The XYZ color **47.6153, 51.8353, 38.9481** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.2448, 36.1942, 57.3007**, and the grayscale version is **48.5083, 51.0346, 55.5766**.

A 20% lighter version of the original color is **85.8333, 92.7206, 75.0010**, and **22.9378, 25.2359, 17.0267** is the 20% darker color. If you saturate the color by 10%, you get **45.6612, 50.3721, 30.7587**, and if you desaturate by 10%, it is **49.8457, 53.4217, 48.5522**.

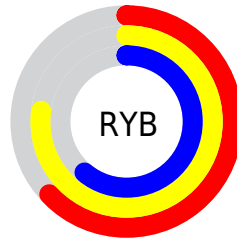
Distribution



Red (77%)

Green (75%)

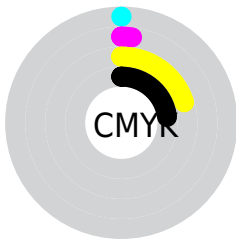
Blue (61%)



Red (63%)

Yellow (77%)

Blue (61%)

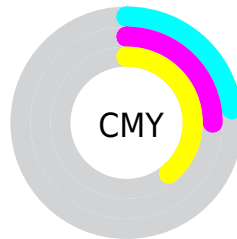


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (23%)



Cyan (23%)


Magenta (25%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6153, 51.8353, 38.9481 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 47.6153, 51.8353, 38.9481 by changing the saturation by 10% instead.


 47.6153, 51.8353,
38.9481


 47.6153, 51.8353,
38.9481


367.8733,
393.8004, 357.0892

 33.7323, 36.8738,
26.4118


 85.8445, 92.8883,
74.7785

 22.8499, 25.1098,
16.9035


 110.9215,
119.7486, 98.9097

 14.6028, 16.1589,
10.0045


140.4604,
151.3440, 127.7430

 8.6256, 9.6367,
5.2963

174.8268,
188.0588, 161.6968

 4.5529, 5.1587,
2.3604

214.3859,
230.2774, 201.1899

 2.0195, 2.3407,
0.7647

259.5031,

 0.6449, 0.7951,

278.3843, 246.6406

0.0000

310.5438,
332.7639, 298.4675

■ 0.0000, 0.0000,
0.0000

■ 47.6153, 51.8353,
38.9481

■ 47.6153, 51.8353,
38.9481

■ 45.6612, 50.3721,
30.7587

■ 49.8457, 53.4217,
48.5522

■ 43.9666, 49.0201,
23.9130

■ 52.3602, 55.1291,
59.6307

■ 42.5187, 47.7758,
18.3393

■ 55.1716, 56.9646,
72.2439

■ 41.3025, 46.6333,
13.9573

■ 58.2905, 58.9322,
86.4477

■ 40.3010, 45.5856,
10.6780

■ 61.7270, 61.0362,
102.2953

■ 39.4948, 44.6251,
8.3998

■ 62.3490, 62.0238,
103.2934

■ 38.8611, 43.7425,
7.0022

■ 62.8166, 62.9589,
103.4492

■ 38.3733, 42.9522,
6.2681

■ 63.2900, 63.9057,
103.6070

■ 63.7693, 64.8643,
103.7668

Harmonies

Analogous

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



51.2855, 51.8353, 39.1397



47.6153, 51.8353, 38.9481



44.5419, 51.8353, 43.0111

Triad

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



47.6153, 51.8353, 38.9481



44.3238, 51.8353, 71.6202



56.3755, 51.8353, 62.3352

Complementary

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



47.6153, 51.8353, 38.9481



36.2448, 36.1942, 57.3007

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.



54.3169, 51.8353, 72.4077



47.6153, 51.8353, 38.9481



47.3039, 51.8353, 78.2077

Square

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



47.6153, 51.8353, 38.9481



42.7065, 51.8353, 61.3633



50.9583, 51.8353, 78.5126



56.4692, 51.8353, 51.7870

Rectangle

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



47.6153, 51.8353, 38.9481



43.1941, 51.8353, 47.9171



50.9583, 51.8353, 78.5126



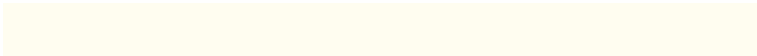
55.8859, 51.8353, 65.9176

Sweetspot

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



47.6167, 51.8376, 38.9492



92.1980, 98.0822, 96.2770



40.9991, 38.0514, 38.4422



19.6703, 20.9500, 20.3263



0.0000, 0.0000, 0.0000



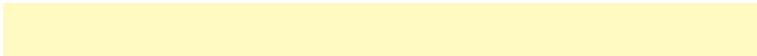
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6167, 51.8376, 38.9492



84.7958, 92.8274, 64.3695



44.5635, 51.5838, 39.0611



10.8247, 11.5808, 10.7267



24.6923, 27.6703, 4.0395



1.0922, 1.2462, 0.1830

Inverse Universe

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



36.2448, 36.1942, 57.3007



60.8810, 59.9313, 102.9669



38.8661, 36.5338, 57.2281



9.6075, 9.9063, 12.6906



6.5882, 2.9329, 33.7755



0.3126, 0.1825, 1.4686

Previews

White Background



This preview shows how the XYZ color 47.6153, 51.8353, 38.9481 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 47.6153, 51.8353, 38.9481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

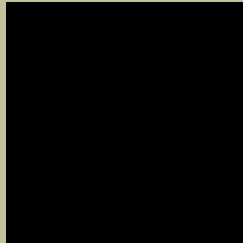
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6153, 51.8353, 38.9481

Background



This preview shows how black text looks on a background with the XYZ color 47.6153, 51.8353, 38.9481.



This preview shows how white text looks on a background with the XYZ color 47.6153, 51.8353,

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

47.6153, 51.8353, 38.9481

Protanopia

48.6870, 51.7500, 38.4330

Deuteranopia

52.6202, 51.5512, 39.5247



Tritanopia

52.3414, 51.8445, 61.8919

Trichromacy



Original Color

47.6153, 51.8353, 38.9481

Protanomaly

48.3666, 51.9075, 38.4803

Deuteranomaly

50.5087, 51.4010, 39.1576

Tritanomaly

50.4544, 51.7065, 52.6685

Monochromacy



Original Color

47.6153, 51.8353, 38.9481

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.0875, 51.2077, 48.9446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6153, 51.8353, 38.9481 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(196, 192, 156)` looks like.

```
.text, #text, p{  
    color:rgb(196, 192, 156)  
}
```

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(196, 192, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 192, 156) }
```

Border

The CSS property to change the border of an element to XYZ 47.6153, 51.8353, 38.9481 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(196, 192, 156) }
```


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

```
.border{ border-color:rgb(196, 192, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 192, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 192, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 192, 156);  
box-shadow:4px 4px 4px 4px rgb(196, 192,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6153, 51.8353, 38.9481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 192, 156) }
```

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

```
.background{ background-color: rgb(196,  
192, 156) }
```

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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