

Converting Colors

XYZ(47.8769, 51.9100, 41.6787)

Have a look what the booklet for
XYZ(47.8769, 51.9100, 41.6787)
contains.

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Color

**XYZ(47.8769, 51.9100,
41.6787)**

Conversions

Conversions Part 1

Format	Color
Hex	C3C0A2
RGB	195, 192, 162
RGB Percent	76%, 75%, 64%
CMY	0.2353, 0.2470, 0.3647
CMYK	0.00, 0.02, 0.17, 0.24
HSL	55°, 22%, 70%
HSV	55°, 17%, 76%
XYZ	47.8769, 51.9100, 41.6787
YIQ	189.4770, 11.4180, -8.6940

Conversions

Conversions Part 2

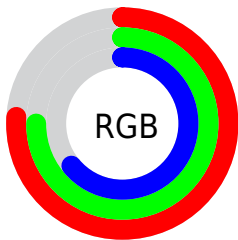
Format	Color
RYB	165, 195, 162
Decimal	12828834
CIELab	77.23, -4.01, 15.52
CIELCh	77, 16.030, 104.483
Yxy	51.9100, 0.3384, 0.3669
Android (android.graphics.Color)	4291018914 (0xFFC3C0A2)
YUV	189.4770, -13.5462, 4.8437
Hunter-Lab	72.0486, -7.4703, 16.1359

Details

The XYZ color **47.8769, 51.9100, 41.6787** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.2057, 38.5310, 57.0537**, and the grayscale version is **48.7148, 51.2518, 55.8132**.

A 20% lighter version of the original color is **86.2367, 92.8400, 79.0204**, and **23.0316, 25.2537, 18.4124** is the 20% darker color. If you saturate the color by 10%, you get **45.8904, 50.4989, 33.1177**, and if you desaturate by 10%, it is **50.1397, 53.4426, 51.6593**.

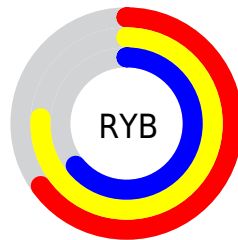
Distribution



Red (76%)

Green (75%)

Blue (64%)



Red (65%)

Yellow (76%)

Blue (64%)

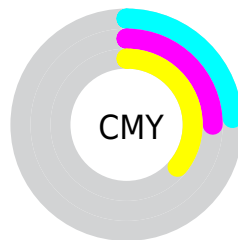


Cyan (0%)

Magenta (2%)

Yellow (17%)

Black (24%)



Cyan (24%)


Magenta (25%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8769, 51.9100, 41.6787 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 47.8769, 51.9100, 41.6787 by changing the saturation by 10% instead.


 47.8769, 51.9100,
41.6787


 47.8769, 51.9100,
41.6787


368.8947,
394.0891, 368.9096

 33.9403, 36.9333,
28.5261


 86.2319, 92.9985,
78.9780

 23.0104, 25.1559,
18.4801


 111.3810,
119.8791, 103.9617

 14.7219, 16.1932,
11.1222


140.9982,
151.4965, 133.7262

 8.7095, 9.6610,
6.0339

175.4490,
188.2351, 168.6901

 4.6078, 5.1748,
2.7966

215.0987,
230.4793, 209.2718

 2.0514, 2.3502,
0.9917

260.3126,

 0.6626, 0.8001,

278.6134, 255.8899

0.0000

311.4562,
333.0218, 308.9630

■ 0.0000, 0.0000,
0.0000

■ 47.8769, 51.9100,
41.6787

■ 47.8769, 51.9100,
41.6787

■ 45.8904, 50.4989,
33.1177

■ 50.1397, 53.4426,
51.6593

■ 44.1637, 49.1975,
25.9078

■ 52.6862, 55.0944,
63.1169

■ 42.6848, 48.0025,
19.9800

■ 55.5287, 56.8721,
76.1099

■ 41.4392, 46.9084,
15.2579

■ 58.6775, 58.7800,
90.6926

■ 40.4108, 45.9085,
11.6570

■ 61.4090, 60.5285,
103.0543

■ 39.5814, 44.9955,
9.0816

■ 61.8237, 61.3578,
103.1925

■ 38.9300, 44.1611,
7.4204

■ 62.2431, 62.1967,
103.3323

■ 38.4278, 43.3936,
6.5228

■ 62.6674, 63.0452,
103.4738

■ 38.2869, 43.1643,
6.3136

■ 63.0964, 63.9033,
103.6168

Harmonies

Analogous

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



50.9354, 51.9100, 41.7432



47.8769, 51.9100, 41.6787



45.3162, 51.9100, 45.2948

Triad

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



47.8769, 51.9100, 41.6787



45.2451, 51.9100, 69.2172



55.2496, 51.9100, 61.1666

Complementary

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



47.8769, 51.9100, 41.6787



38.2057, 38.5310, 57.0537

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.



53.5929, 51.9100, 69.4643



47.8769, 51.9100, 41.6787



47.7761, 51.9100, 74.4305

Square

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



47.8769, 51.9100, 41.6787



43.8401, 51.9100, 60.8566



50.8304, 51.9100, 74.5254



55.2793, 51.9100, 52.3967

Rectangle

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



47.8769, 51.9100, 41.6787



44.1999, 51.9100, 49.5453



50.8304, 51.9100, 74.5254



54.8615, 51.9100, 64.1229

Sweetspot

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



47.8783, 51.9123, 41.6798



90.6029, 96.2451, 96.1057



42.2455, 40.1710, 41.2686



19.7724, 21.0315, 20.7390



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.



47.8783, 51.9123, 41.6798



84.4903, 92.0946, 69.1752



45.2814, 51.5601, 41.7487



10.8327, 11.5969, 10.7294



24.9165, 28.1188, 4.1142



1.0999, 1.2615, 0.1855

Inverse Universe

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



38.2057, 38.5310, 57.0537



64.1908, 64.0126, 101.4422



40.4954, 38.9187, 57.0078



9.6002, 9.8917, 12.6881



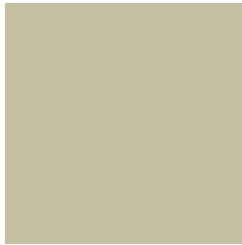
6.5672, 2.8909, 33.7685



0.3093, 0.1760, 1.4675

Previews

White Background



This preview shows how the XYZ color 47.8769, 51.9100, 41.6787 looks on a white background.

Color Contrast Check

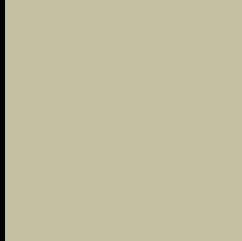
Large Text (above 18pt) WCAG AA × Fail

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 47.8769, 51.9100, 41.6787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

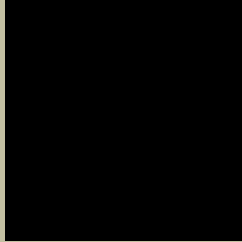
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

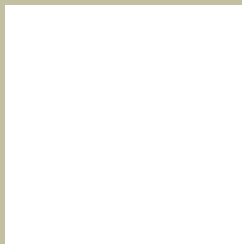
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8769, 51.9100, 41.6787

Background



This preview shows how black text looks on a background with the XYZ color 47.8769, 51.9100, 41.6787.



This preview shows how white text looks on a background with the XYZ color 47.8769, 51.9100,

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

47.8769, 51.9100, 41.6787

Protanopia

48.9339, 51.8176, 41.1409

Deuteranopia

53.0547, 52.0214, 42.3668



Tritanopia

51.9209, 51.6142, 62.4844

Trichromacy



Original Color

47.8769, 51.9100, 41.6787

Protanomaly

48.6170, 51.9769, 41.1884

Deuteranomaly

50.9595, 51.8866, 41.9796

Tritanomaly

50.2416, 51.5601, 54.3178

Monochromacy



Original Color

47.8769, 51.9100, 41.6787

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.0360, 51.1580, 49.9905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8769, 51.9100, 41.6787 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(195, 192, 162)` looks like.

```
.text, #text, p{  
    color:rgb(195, 192, 162)  
}
```

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(195, 192, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 192, 162) }
```

Border

The CSS property to change the border of an element to XYZ 47.8769, 51.9100, 41.6787 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(195, 192, 162) }
```


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

```
.border{ border-color:rgb(195, 192, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 192, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 192, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 192, 162);  
box-shadow:4px 4px 4px 4px rgb(195, 192,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8769, 51.9100, 41.6787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 192, 162) }
```

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

```
.background{ background-color: rgb(195,  
192, 162) }
```

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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