

Converting Colors

XYZ(47.3177, 51.2944, 46.7591)

Have a look what the booklet for
XYZ(47.3177, 51.2944, 46.7591)
contains.

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Color

**XYZ(47.1599, 51.0976,
46.9124)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBFAD
RGB	189, 191, 173
RGB Percent	74%, 75%, 68%
CMY	0.2588, 0.2510, 0.3216
CMYK	0.01, 0.00, 0.09, 0.25
HSL	67°, 12%, 71%
HSV	67°, 9%, 75%
XYZ	47.1599, 51.0976, 46.9124
YIQ	188.3500, 4.5860, -6.0220

Conversions

Conversions Part 2

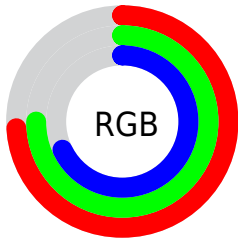
Format	Color
RYB	173, 191, 175
Decimal	12435373
CIELab	76.74, -3.90, 8.84
CIELCh	77, 9.658, 113.800
Yxy	51.0976, 0.3249, 0.3520
Android (android.graphics.Color)	4290625453 (0xFFBDBFAD)
YUV	188.3500, -7.5675, 0.5701
Hunter-Lab	71.4826, -7.3310, 11.1271

Details

The XYZ color **47.1599, 51.0976, 46.9124** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.0288, 42.7641, 55.3322**, and the grayscale version is **48.0401, 50.5419, 55.0401**.

A 20% lighter version of the original color is **84.9205, 91.5354, 86.5911**, and **22.6930, 24.7917, 21.6784** is the 20% darker color. If you saturate the color by 10%, you get **44.9192, 50.1425, 37.8396**, and if you desaturate by 10%, it is **49.6754, 52.1668, 57.3795**.

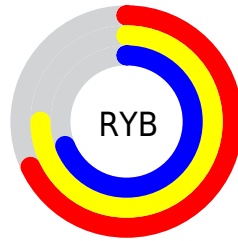
Distribution



Red (74%)

Green (75%)

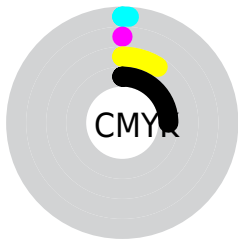
Blue (68%)



Red (68%)

Yellow (75%)

Blue (69%)

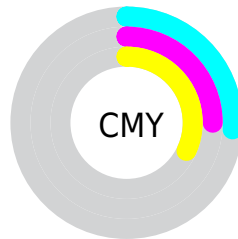


Cyan (1%)

Magenta (0%)

Yellow (9%)

Black (25%)



Cyan (26%)

Magenta (25%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1599, 51.0976, 46.9124 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 47.1599, 51.0976, 46.9124 by changing the saturation by 10% instead.

■ 47.1599, 51.0976,
46.9124

■ 47.1599, 51.0976,
46.9124

366.0907,
390.9429, 390.8484

■ 33.3706, 36.2863,
32.6126

■ 85.1695, 91.7990,
86.9315

■ 22.5711, 24.6554,
21.5611

110.1206,
118.4579, 113.4878

■ 14.3961, 15.8205,
13.3396

139.5228,
149.8348, 144.9666

■ 8.4802, 9.3972,
7.5293

173.7417,
186.3141, 181.7866

■ 4.4581, 5.0012,
3.7119

213.1426,
228.2801, 224.3662

■ 1.9644, 2.2479,
1.4686

258.0908,

■ 0.6139, 0.7459,

276.1173, 273.1240

0.1944

308.9517,
330.2101, 328.4786

■ 0.0000, 0.0000,
0.0000

■ 47.1599, 51.0976,
46.9124

■ 47.1599, 51.0976,
46.9124

■ 44.9192, 50.1425,
37.8396

■ 49.6754, 52.1668,
57.3795

■ 42.9379, 49.2904,
30.0990

■ 52.4720, 53.3478,
69.2927

■ 41.2055, 48.5387,
23.6288

■ 55.5612, 54.6466,
82.7056

■ 39.7090, 47.8823,
18.3609

■ 58.9523, 56.0671,
97.6677

■ 38.4342, 47.3154,
14.2210

■ 60.4030, 56.7124,
102.3708

■ 37.3654, 46.8318,
11.1264

■ 60.9735, 57.0065,
102.3974

■ 36.4848, 46.4244,
8.9833

■ 61.5519, 57.3047,
102.4245

■ 35.7713, 46.0846,
7.6810

■ 62.1383, 57.6070,
102.4520

■ 35.1863, 45.7972,
7.0167

■ 62.7326, 57.9134,
102.4798

Harmonies

Analogous

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



48.9479, 51.0976, 46.2034



47.1599, 51.0976, 46.9124



45.7810, 51.0976, 49.8920

Triad

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



47.1599, 51.0976, 46.9124



46.5171, 51.0976, 64.1755



52.1512, 51.0976, 56.7325

Complementary

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



47.1599, 51.0976, 46.9124



42.0288, 42.7641, 55.3322

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.



51.4633, 51.0976, 61.8060



47.1599, 51.0976, 46.9124



48.1876, 51.0976, 66.2736

Square

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



47.1599, 51.0976, 46.9124



45.4164, 51.0976, 59.8052



50.0013, 51.0976, 65.3804



51.8594, 51.0976, 51.6664

Rectangle

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



47.1599, 51.0976, 46.9124



45.2640, 51.0976, 52.8710



50.0013, 51.0976, 65.3804



52.0264, 51.0976, 58.4970

Sweetspot

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



47.1613, 51.0998, 46.9135



87.2757, 92.7106, 95.6782



44.3215, 44.6770, 45.8235



19.0837, 20.3240, 20.6711



92.9021, 97.7402, 106.4391



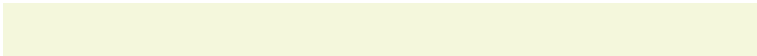
19.4759, 20.4902, 22.3138

Same Dimension

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



47.1613, 51.0998, 46.9135



83.7247, 91.2012, 80.9993



45.0445, 50.0086, 46.8144



10.2148, 11.0652, 10.1740



23.1438, 30.1069, 4.5914



0.9367, 1.1949, 0.1813

Inverse Universe

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



42.0288, 42.7641, 55.3322



72.9568, 73.7128, 98.6619



44.0685, 43.8156, 55.4276



9.1125, 9.2749, 11.9822



6.4222, 2.5968, 32.5557



0.2847, 0.1188, 1.2768

Previews

White Background



This preview shows how the XYZ color 47.1599, 51.0976, 46.9124 looks on a white background.

Color Contrast Check

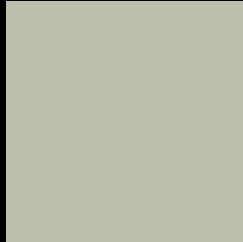
Large Text (above 18pt) WCAG AA × Fail

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 47.1599, 51.0976, 46.9124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

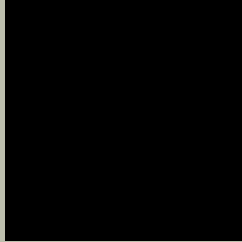
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

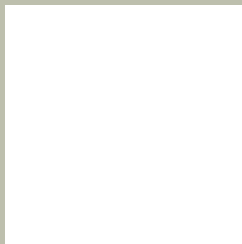
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1599, 51.0976, 46.9124

Background



This preview shows how black text looks on a background with the XYZ color 47.1599, 51.0976, 46.9124.



This preview shows how white text looks on a background with the XYZ color 47.1599, 51.0976,

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

47.1599, 51.0976, 46.9124

Protanopia

48.6699, 51.2441, 46.3556

Deuteranopia

52.1119, 51.1083, 47.6757



Tritanopia

50.4233, 51.1424, 63.0910

Trichromacy



Original Color

47.1599, 51.0976, 46.9124

Protanomaly

48.1080, 51.2748, 46.3912

Deuteranomaly

50.1007, 51.0112, 47.2499

Tritanomaly

49.1254, 50.9345, 56.5324

Monochromacy



Original Color

47.1599, 51.0976, 46.9124

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4839, 50.5055, 52.0456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1599, 51.0976, 46.9124 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(189, 191, 173)` looks like.

```
.text, #text, p{  
    color:rgb(189, 191, 173)  
}
```

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(189, 191, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 191, 173) }
```

Border

The CSS property to change the border of an element to XYZ 47.1599, 51.0976, 46.9124 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(189, 191, 173) }
```


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

```
.border{ border-color:rgb(189, 191, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 191, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 191, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 191, 173);  
box-shadow:4px 4px 4px 4px rgb(189, 191,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1599, 51.0976, 46.9124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 191, 173) }
```

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

```
.background{ background-color: rgb(189,  
191, 173) }
```

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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