

Converting Colors

XYZ(47.0123, 51.0685, 43.0115)

Have a look what the booklet for
XYZ(47.0123, 51.0685, 43.0115)
contains.

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Color

**XYZ(46.9082, 51.0546,
42.9795)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBFA5
RGB	191, 191, 165
RGB Percent	75%, 75%, 65%
CMY	0.2510, 0.2510, 0.3529
CMYK	0.00, 0.00, 0.14, 0.25
HSL	60°, 17%, 70%
HSV	60°, 14%, 75%
XYZ	46.9082, 51.0546, 42.9795
YIQ	188.0360, 8.3460, -8.0860

Conversions

Conversions Part 2

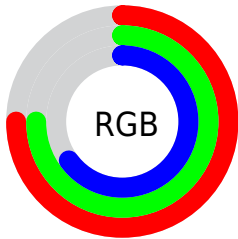
Format	Color
RYB	165, 191, 165
Decimal	12566437
CIELab	76.71, -4.49, 13.14
CIELCh	77, 13.883, 108.873
Yxy	51.0546, 0.3328, 0.3622
Android (android.graphics.Color)	4290756517 (0xFFBFBFA5)
YUV	188.0360, -11.3567, 2.5994
Hunter-Lab	71.4525, -7.8575, 14.3531

Details

The XYZ color **46.9082, 51.0546, 42.9795** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3781, 38.6726, 54.7348**, and the grayscale version is **47.8807, 50.3743, 54.8576**.

A 20% lighter version of the original color is **84.5368, 91.4630, 80.9087**, and **22.3856, 24.6876, 19.2081** is the 20% darker color. If you saturate the color by 10%, you get **45.2977, 50.4120, 34.4968**, and if you desaturate by 10%, it is **48.7811, 51.8055, 52.8319**.

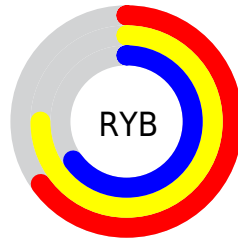
Distribution



Red (75%)

Green (75%)

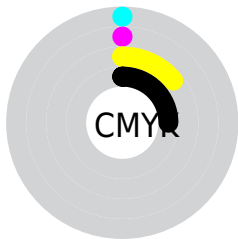
Blue (65%)



Red (65%)

Yellow (75%)

Blue (65%)

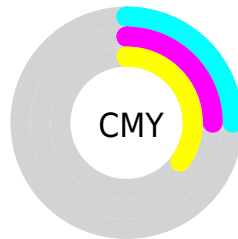


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9082, 51.0546, 42.9795 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 46.9082, 51.0546, 42.9795 by changing the saturation by 10% instead.

■ 46.9082, 51.0546,
42.9795

■ 46.9082, 51.0546,
42.9795

365.1030,
390.7759, 374.4462

■ 33.1707, 36.2521,
29.5377

■ 84.7962, 91.7355,
80.9659

■ 22.4171, 24.6289,
19.2389

■ 109.6774,
118.3826, 106.3477

■ 14.2820, 15.8008,
11.6645

139.0038,
149.7467, 136.5466

■ 8.4001, 9.3833,
6.3959

173.1410,
186.2122, 171.9811

■ 4.4060, 4.9920,
3.0146

212.4541,
228.1635, 213.0698

■ 1.9343, 2.2426,
1.1021

257.3086,

■ 0.5966, 0.7431,

275.9849, 260.2311

0.0000

308.0698,
330.0609, 313.8838

■ 0.0000, 0.0000,
0.0000

■ 46.9082, 51.0546,
42.9795

■ 46.9082, 51.0546,
42.9795

■ 45.2977, 50.4120,
34.4968

■ 48.7811, 51.8055,
52.8319

■ 43.9342, 49.8665,
27.3202

■ 50.9231, 52.6624,
64.1074

■ 42.8065, 49.4153,
21.3858

■ 53.3457, 53.6315,
76.8606

■ 41.9013, 49.0532,
16.6231

■ 56.0585, 54.7168,
91.1422

■ 41.2038, 48.7741,
12.9545

■ 58.1717, 55.5621,
102.2663

■ 40.6977, 48.5716,
10.2932

■ 58.1725, 55.5625,
102.2664

■ 40.3638, 48.4379,
8.5391

■ 58.1732, 55.5629,
102.2664

■ 40.1794, 48.3641,
7.5717

■ 58.1740, 55.5633,
102.2664

■ 40.1113, 48.3368,
7.2158

■ 58.1747, 55.5637,
102.2665

Harmonies

Analogous

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



49.5085, 51.0546, 42.5543



46.9082, 51.0546, 42.9795



44.8150, 51.0546, 46.5967

Triad

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



46.9082, 51.0546, 42.9795



45.2748, 51.0546, 67.2297



53.6595, 51.0546, 58.4322

Complementary

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



46.9082, 51.0546, 42.9795



38.3781, 38.6726, 54.7348

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.



52.4361, 51.0546, 65.6713



46.9082, 51.0546, 42.9795



47.5564, 51.0546, 71.0476

Square

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



46.9082, 51.0546, 42.9795



43.8958, 51.0546, 60.4080



50.1803, 51.0546, 70.4529



53.4706, 51.0546, 51.0349

Rectangle

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



46.9082, 51.0546, 42.9795



43.9595, 51.0546, 50.5307



50.1803, 51.0546, 70.4529



53.3980, 51.0546, 60.9757

Sweetspot

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



46.9096, 51.0568, 42.9806



87.2015, 92.7145, 93.7702



41.7342, 40.7045, 41.2552



19.0892, 20.3355, 20.2783



92.9021, 97.7402, 106.4391



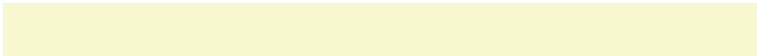
19.4759, 20.4902, 22.3138

Same Dimension

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



46.9096, 51.0568, 42.9806



83.2044, 91.1155, 72.7305



43.7844, 49.4457, 42.8343



10.3221, 11.1205, 10.1791



26.3592, 31.7646, 4.7419



1.0326, 1.2443, 0.1857

Inverse Universe

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



38.3781, 38.6726, 54.7348



65.2941, 65.1167, 97.4065



41.2207, 40.1380, 54.8678



9.0167, 9.2255, 11.9777



6.1805, 2.4722, 32.5443



0.2421, 0.0969, 1.2748

Previews

White Background



This preview shows how the XYZ color 46.9082, 51.0546, 42.9795 looks on a white background.

Color Contrast Check

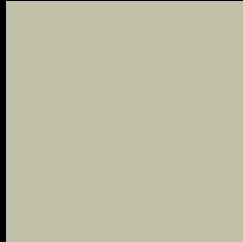
Large Text (above 18pt) WCAG AA × Fail

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 46.9082, 51.0546, 42.9795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

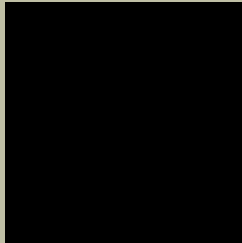
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

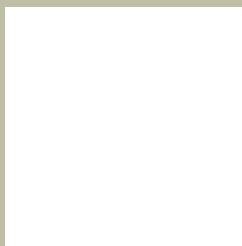
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9082, 51.0546, 42.9795

Background



This preview shows how black text looks on a background with the XYZ color 46.9082, 51.0546, 42.9795.



This preview shows how white text looks on a background with the XYZ color 46.9082, 51.0546,

42.9795.

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

46.9082, 51.0546, 42.9795

Protanopia

48.1871, 51.0813, 42.4419

Deuteranopia

52.0219, 50.8448, 43.6314



Tritanopia

50.8665, 51.0706, 62.4350

Trichromacy



Original Color

46.9082, 51.0546, 42.9795

Protanomaly

47.6200, 51.1093, 42.4772

Deuteranomaly

49.9640, 50.7165, 43.2323

Tritanomaly

49.3085, 51.0666, 54.8350

Monochromacy



Original Color

46.9082, 51.0546, 42.9795

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4221, 50.5093, 50.4299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9082, 51.0546, 42.9795 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(191, 191, 165)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 165)  
}
```

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(191, 191, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 165) }
```

Border

The CSS property to change the border of an element to XYZ 46.9082, 51.0546, 42.9795 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(191, 191, 165) }
```


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

```
.border{ border-color:rgb(191, 191, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 165);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9082, 51.0546, 42.9795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 165) }
```

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

```
.background{ background-color: rgb(191,  
191, 165) }
```

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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