

Converting Colors

XYZ(46.4358, 50.8162, 46.4663)

Have a look what the booklet for
XYZ(46.4358, 50.8162, 46.4663)
contains.

XYZ(46.3269, 50.6793, 46.3701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.3269, 50.6793,
46.3701)**

Conversions

Conversions Part 1

Format	Color
Hex	BABFAC
RGB	186, 191, 172
RGB Percent	73%, 75%, 67%
CMY	0.2706, 0.2510, 0.3255
CMYK	0.03, 0.00, 0.10, 0.25
HSL	76°, 13%, 71%
HSV	76°, 10%, 75%
XYZ	46.3269, 50.6793, 46.3701
YIQ	187.3390, 3.1190, -6.9690

Conversions

Conversions Part 2

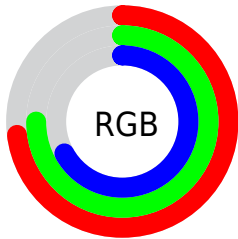
Format	Color
RYB	172, 191, 177
Decimal	12238764
CIELab	76.48, -5.15, 8.98
CIELCh	76, 10.354, 119.816
Yxy	50.6793, 0.3231, 0.3535
Android (android.graphics.Color)	4290428844 (0xFFBABFAC)
YUV	187.3390, -7.5621, -1.1743
Hunter-Lab	71.1894, -8.4216, 11.2133

Details

The XYZ color **46.3269, 50.6793, 46.3701** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.2900, 42.6151, 55.2896**, and the grayscale version is **47.4668, 49.9388, 54.3834**.

A 20% lighter version of the original color is **83.7438, 90.9448, 85.8134**, and **22.1515, 24.5196, 21.3345** is the 20% darker color. If you saturate the color by 10%, you get **43.4228, 49.3806, 37.3369**, and if you desaturate by 10%, it is **49.5405, 52.1101, 56.7962**.

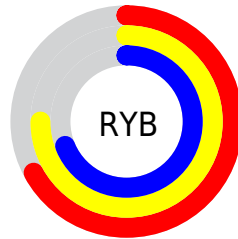
Distribution



Red (73%)

Green (75%)

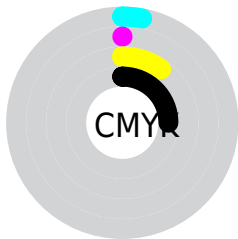
Blue (67%)



Red (67%)

Yellow (75%)

Blue (69%)

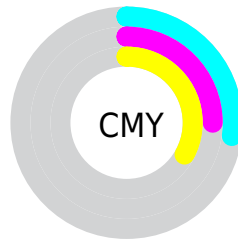


Cyan (3%)

Magenta (0%)

Yellow (10%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3269, 50.6793, 46.3701 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 46.3269, 50.6793, 46.3701 by changing the saturation by 10% instead.

■ 46.3269, 50.6793,
46.3701

■ 46.3269, 50.6793,
46.3701

362.8153,
389.3165, 388.6153

■ 32.7096, 35.9534,
32.1872

■ 83.9329, 91.1805,
86.1127

■ 22.0622, 24.3982,
21.2385

108.6523,
117.7247, 112.5095

■ 14.0195, 15.6293,
13.1055

137.8030,
148.9771, 143.8147

■ 8.2160, 9.2622,
7.3697

171.7506,
185.3222, 180.4468

■ 4.2864, 4.9126,
3.6124

210.8602,
227.1442, 222.8244

■ 1.8654, 2.1961,
1.4152

255.4973,

■ 0.5566, 0.7179,

274.8277, 271.3660

0.1535

306.0272,
328.7570, 326.4901

■ 0.0000, 0.0000,
0.0000

■ 46.3269, 50.6793,
46.3701

■ 46.3269, 50.6793,
46.3701

■ 43.4228, 49.3806,
37.3369

■ 49.5405, 52.1101,
56.7962

■ 40.8124, 48.2027,
29.6344

■ 53.0704, 53.6707,
68.6674

■ 38.4846, 47.1427,
23.2004

■ 56.9284, 55.3676,
82.0372

■ 36.4261, 46.1952,
17.9666

■ 61.1244, 57.2049,
96.9554

■ 34.6222, 45.3543,
13.8583

■ 63.5883, 58.3545,
102.5198

■ 33.0566, 44.6135,
10.7922

■ 65.0533, 59.1097,
102.5884

■ 31.7109, 43.9652,
8.6738

■ 66.5637, 59.8884,
102.6591

■ 30.5634, 43.4009,
7.3913

■ 68.1201, 60.6907,
102.7319

■ 29.5720, 42.9035,
6.7254

■ 69.7228, 61.5169,
102.8069

Harmonies

Analogous

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



48.1812, 50.6793, 45.1145



46.3269, 50.6793, 46.3701



44.9969, 50.6793, 49.9510

Triad

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



46.3269, 50.6793, 46.3701



46.3065, 50.6793, 65.0045



52.0209, 50.6793, 55.2157

Complementary

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



46.3269, 50.6793, 46.3701



42.2900, 42.6151, 55.2896

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.



51.4871, 50.6793, 60.7642



46.3269, 50.6793, 46.3701



48.1571, 50.6793, 66.6438

Square

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



46.3269, 50.6793, 46.3701



44.9854, 50.6793, 60.7004



50.0596, 50.6793, 65.0431



51.4997, 50.6793, 50.0070

Rectangle

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



46.3269, 50.6793, 46.3701



44.5685, 50.6793, 53.3022



50.0596, 50.6793, 65.0431



51.9587, 50.6793, 57.1037

Sweetspot

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



46.3283, 50.6815, 46.3712



86.8801, 92.5067, 95.6597



44.6068, 45.4021, 45.4429



18.9739, 20.2673, 20.6660



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.



46.3283, 50.6815, 46.3712



81.7566, 90.2242, 79.2081



44.1535, 49.5603, 46.2694



10.0704, 10.9907, 10.1673



19.5090, 28.2331, 4.4213



0.8226, 1.1360, 0.1759

Inverse Universe

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



42.2900, 42.6151, 55.2896



73.0303, 72.7932, 98.4805



44.4687, 43.7383, 55.3915



9.2458, 9.3436, 11.9884



7.1200, 2.9565, 32.5883



0.3429, 0.1488, 1.2795

Previews

White Background



This preview shows how the XYZ color 46.3269, 50.6793, 46.3701 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 46.3269, 50.6793, 46.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

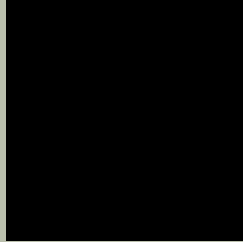
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

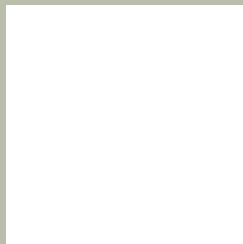
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3269, 50.6793, 46.3701

Background



This preview shows how black text looks on a background with the XYZ color 46.3269, 50.6793, 46.3701.



This preview shows how white text looks on a background with the XYZ color 46.3269, 50.6793,

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

46.3269, 50.6793, 46.3701

Protanopia

48.0039, 50.6045, 45.2678

Deuteranopia

51.5193, 50.5089, 47.0782



Tritanopia

49.5481, 50.7048, 62.4339

Trichromacy



Original Color

46.3269, 50.6793, 46.3701

Protanomaly

47.2865, 50.5419, 45.7914

Deuteranomaly

49.5204, 50.4116, 46.6556

Tritanomaly

48.2637, 50.5030, 55.9195

Monochromacy



Original Color

46.3269, 50.6793, 46.3701

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.9202, 49.9086, 51.4163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3269, 50.6793, 46.3701 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(186, 191, 172)` looks like.

```
.text, #text, p{  
    color:rgb(186, 191, 172)  
}
```

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(186, 191, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 191, 172) }
```

Border

The CSS property to change the border of an element to XYZ 46.3269, 50.6793, 46.3701 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(186, 191, 172) }
```


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

```
.border{ border-color:rgb(186, 191, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 191, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 191, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 191, 172);  
box-shadow:4px 4px 4px 4px rgb(186, 191,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3269, 50.6793, 46.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 191, 172) }
```

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

```
.background{ background-color: rgb(186,  
191, 172) }
```

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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