

Converting Colors

XYZ(46.6931, 52.9297, 29.0829)

Have a look what the booklet for
XYZ(46.6931, 52.9297, 29.0829)
contains.

XYZ(46.6016, 52.8543, 29.2185)	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(46.6016, 52.8543,
29.2185)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C483
RGB	196, 196, 131
RGB Percent	77%, 77%, 51%
CMY	0.2314, 0.2314, 0.4863
CMYK	0.00, 0.00, 0.33, 0.23
HSL	60°, 36%, 64%
HSV	60°, 33%, 77%
XYZ	46.6016, 52.8543, 29.2185
YIQ	188.5900, 20.8650, -20.2150

Conversions

Conversions Part 2

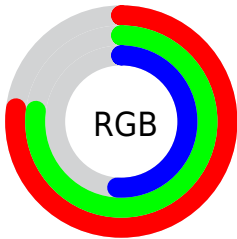
Format	Color
RYB	131, 196, 131
Decimal	12895363
CIELab	77.79, -10.00, 32.70
CIELCh	78, 34.196, 106.995
Yxy	52.8543, 0.3622, 0.4108
Android (android.graphics.Color)	4291085443 (0xFFC4C483)
YUV	188.5900, -28.3919, 6.4986
Hunter-Lab	72.7010, -12.8075, 27.0620

Details

The XYZ color **46.6016, 52.8543, 29.2185** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.4422, 25.0448, 55.6154**, and the grayscale version is **48.2853, 50.7999, 55.3211**.

A 20% lighter version of the original color is **84.3902, 94.6360, 59.7177**, and **22.1427, 25.6028, 11.5594** is the 20% darker color. If you saturate the color by 10%, you get **45.3971, 52.3743, 22.8717**, and if you desaturate by 10%, it is **48.0601, 53.4396, 36.8911**.

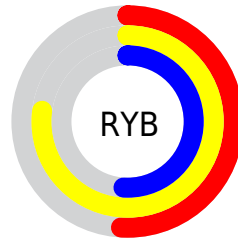
Distribution



Red (77%)

Green (77%)

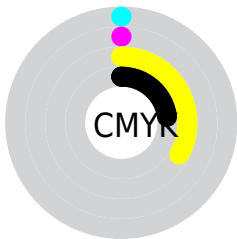
Blue (51%)



Red (51%)

Yellow (77%)

Blue (51%)

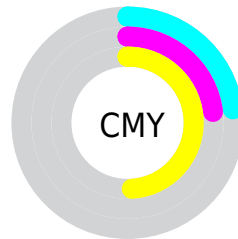


Cyan (0%)

Magenta (0%)

Yellow (33%)

Black (23%)



Cyan (23%)

Magenta (23%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6016, 52.8543, 29.2185 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 46.6016, 52.8543, 29.2185 by changing the saturation by 10% instead.

■ 46.6016, 52.8543,
29.2185

■ 46.6016, 52.8543,
29.2185

363.8976,
397.7259, 312.3376

■ 32.9274, 37.6865,
18.9992

■ 84.3410, 94.3899,
59.4704

■ 22.2298, 25.7394,
11.4929

■ 109.1369,
121.5265, 80.3400

■ 14.1434, 16.6288,
6.2811

■ 138.3709,
153.4215, 105.5968

■ 8.3029, 9.9702,
2.9452

172.4081,
190.4593, 135.6594

■ 4.3428, 5.3792,
1.0667

211.6141,
233.0242, 170.9462

■ 1.8978, 2.4714,
0.0000

256.3540,

■ 0.5756, 0.8623,

281.5007, 211.8758

0.0000

306.9934,
336.2731, 258.8668

■ 0.0000, 0.0000,
0.0000

■ 46.6016, 52.8543,
29.2185

■ 46.6016, 52.8543,
29.2185

■ 45.3971, 52.3743,
22.8717

■ 48.0601, 53.4396,
36.8911

■ 44.4283, 51.9868,
17.7725

■ 49.7818, 54.1283,
45.9551

■ 43.6811, 51.6878,
13.8398


■ 51.7801, 54.9277,
56.4758


■ 43.1379, 51.4705,
10.9813


■ 54.0664, 55.8423,
68.5133

■ 42.7786, 51.3267,
9.0912


■ 56.6516, 56.8764,
82.1246


 42.5789, 51.2468,
8.0419

 59.5458, 58.0341,
97.3633

 42.5034, 51.2166,
7.6456

 60.5588, 58.4394,
102.6959

 60.5592, 58.4396,
102.6959

 60.5596, 58.4398,
102.6959

Harmonies

Analogous

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



53.1603, 52.8543, 28.8018



46.6016, 52.8543, 29.2185



41.4784, 52.8543, 36.0660

Triad

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



46.6016, 52.8543, 29.2185



42.0332, 52.8543, 88.5913



63.7098, 52.8543, 66.1629

Complementary

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



46.6016, 52.8543, 29.2185



27.4422, 25.0448, 55.6154

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.



60.1479, 52.8543, 86.2166



46.6016, 52.8543, 29.2185



47.4218, 52.8543, 100.9570

Square

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



46.6016, 52.8543, 29.2185



39.0043, 52.8543, 68.8941



54.0555, 52.8543, 100.0031



63.4410, 52.8543, 47.5238

Rectangle

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



46.6016, 52.8543, 29.2185



39.3918, 52.8543, 44.4273



54.0555, 52.8543, 100.0031



62.9084, 52.8543, 73.0300

Sweetspot

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



46.6029, 52.8567, 29.2196



91.2121, 98.4647, 88.6935



34.9797, 29.6084, 25.3448



19.4168, 21.0330, 18.4241



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.



46.6029, 52.8567, 29.2196



82.7468, 95.0784, 44.1277



39.0456, 48.9607, 28.8659



10.9134, 11.7583, 10.7563



27.3088, 32.9070, 4.9124



1.1800, 1.4218, 0.2123

Inverse Universe

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



27.4422, 25.0448, 55.6154



42.5796, 36.7755, 99.4619



33.2886, 28.0587, 55.8890



9.5284, 9.7480, 12.6642



6.4023, 2.5610, 33.7135



0.2767, 0.1107, 1.4567

Previews

White Background



This preview shows how the XYZ color 46.6016, 52.8543, 29.2185 looks on a white background.

Color Contrast Check

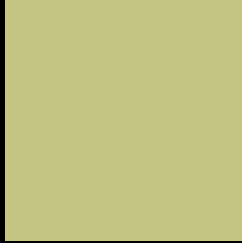
Large Text (above 18pt) WCAG AA × Fail

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 46.6016, 52.8543, 29.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

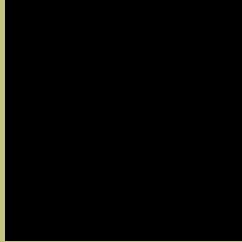
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6016, 52.8543, 29.2185

Background



This preview shows how black text looks on a background with the XYZ color 46.6016, 52.8543, 29.2185.



This preview shows how white text looks on a background with the XYZ color 46.6016, 52.8543,

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

46.6016, 52.8543, 29.2185

Protanopia

48.8245, 52.6941, 28.3665

Deuteranopia

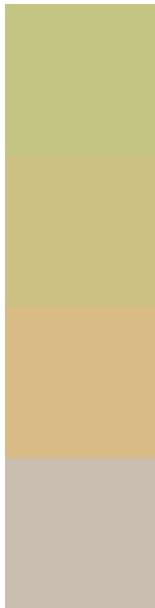
53.7567, 52.6602, 29.8854



Tritanopia

53.6078, 52.7841, 63.2400

Trichromacy



Original Color

46.6016, 52.8543, 29.2185

Protanomaly

48.0011, 52.5890, 28.7399

Deuteranomaly

50.8321, 52.4116, 29.6276

Tritanomaly

50.6070, 52.5181, 48.5440

Monochromacy



Original Color

46.6016, 52.8543, 29.2185

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6557, 51.7329, 44.5195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6016, 52.8543, 29.2185 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, 196, 131)` looks like.

```
.text, #text, p{  
    color:rgb(196, 196, 131)  
}
```

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, 196, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 196, 131) }
```

Border

The CSS property to change the border of an element to XYZ 46.6016, 52.8543, 29.2185 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, 196, 131) }
```


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

```
.border{ border-color:rgb(196, 196, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 196, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 196, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 196, 131);  
box-shadow:4px 4px 4px 4px rgb(196, 196,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6016, 52.8543, 29.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 196, 131) }
```

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

```
.background{ background-color: rgb(196,  
196, 131) }
```

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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