

# Converting Colors

XYZ(46.3249, 51.4785, 34.4245)

Have a look what the booklet for  
XYZ(46.3249, 51.4785, 34.4245)  
contains.

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# Color

**XYZ(46.4289, 51.6536,  
34.3111)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2C191
RGB	194, 193, 145
RGB Percent	76%, 76%, 57%
CMY	0.2392, 0.2431, 0.4314
CMYK	0.00, 0.01, 0.25, 0.24
HSL	59°, 29%, 66%
HSV	59°, 25%, 76%
XYZ	46.4289, 51.6536, 34.3111
YIQ	187.8270, 16.0040, -14.7160

# Conversions

## Conversions Part 2

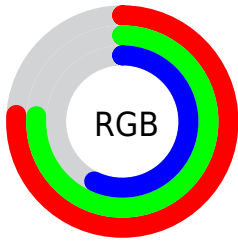
Format	Color
<a href="#">RYB</a>	<a href="#">146, 194, 145</a>
Decimal	<a href="#">12763537</a>
CIELab	<a href="#">77.07, -7.40, 24.37</a>
CIELCh	<a href="#">77, 25.470, 106.885</a>
Yxy	<a href="#">51.6536, 0.3507, 0.3902</a>
Android (android.graphics.Color)	<a href="#">4290953617</a> ( <a href="#">0xFFC2C191</a> )
YUV	<a href="#">187.8270, -21.1137, 5.4137</a>
Hunter-Lab	<a href="#">71.8704, -10.4608, 22.0041</a>

# Details

The XYZ color **46.4289, 51.6536, 34.3111** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.6934, 30.4717, 55.2503**, and the grayscale version is **47.8125, 50.3025, 54.7794**.

A 20% lighter version of the original color is **83.9681, 92.3841, 67.4392**, and **22.2137, 25.1398, 14.2713** is the 20% darker color. If you saturate the color by 10%, you get **44.9725, 50.9336, 27.0650**, and if you desaturate by 10%, it is **48.1437, 52.4808, 42.9048**.

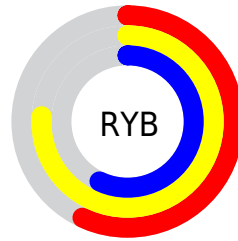
# Distribution



Red (76%)

Green (76%)

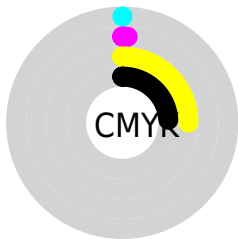
Blue (57%)



Red (57%)

Yellow (76%)

Blue (57%)

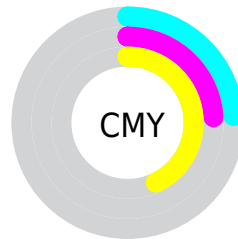


Cyan (0%)

Magenta (1%)

Yellow (25%)

Black (24%)



Cyan (24%)

Magenta (24%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4289, 51.6536, 34.3111 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 46.4289, 51.6536, 34.3111 by changing the saturation by 10% instead.



■ 46.4289, 51.6536,  
34.3111

■ 46.4289, 51.6536,  
34.3111

363.2174,  
393.0978, 336.3284

■ 32.7905, 36.7290,  
22.8534

■ 84.0845, 92.6202,  
67.5566

■ 22.1244, 24.9978,  
14.2810

■ 108.8323,  
119.4310, 90.1814

■ 14.0655, 16.0754,  
8.1754

138.0140,  
150.9726, 117.3658

■ 8.2482, 9.5775,  
4.1180

171.9948,  
187.6296, 149.5281

■ 4.3073, 5.1198,  
1.6903

211.1403,  
229.7862, 187.0870

■ 1.8774, 2.3177,  
0.3541

255.8156,

■ 0.5637, 0.7831,

277.8268, 230.4610

0.0000

306.3862,  
332.1359, 280.0686

0.0000, 0.0000,  
0.0000

46.4289, 51.6536,  
34.3111

46.4289, 51.6536,  
34.3111

44.9725, 50.9336,  
27.0650

48.1437, 52.4808,  
42.9048

43.7575, 50.3088,  
21.0950

50.1249, 53.4133,  
52.9064

42.7712, 49.7759,  
16.3278

52.3852, 54.4577,  
64.3764

41.9979, 49.3285,  
12.6814

54.9352, 55.6183,  
77.3709

41.4202, 48.9597,  
10.0636

57.7850, 56.8993,  
91.9429

■ 41.0177, 48.6613,  
8.3674

■ 59.8961, 57.8852,  
102.6238

■ 40.7656, 48.4236,  
7.4623

■ 59.9847, 58.0624,  
102.6534

■ 40.6747, 48.3224,  
7.1834

■ 60.0736, 58.2401,  
102.6830

■ 60.1626, 58.4183,  
102.7127

# Harmonies

## Analogous

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



51.2476, 51.6536, 33.9841



46.4289, 51.6536, 34.3111



42.5806, 51.6536, 39.8524

# Triad

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



46.4289, 51.6536, 34.3111



42.9775, 51.6536, 78.1440



58.7770, 51.6536, 62.5399

# Complementary

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



46.4289, 51.6536, 34.3111



31.6934, 30.4717, 55.2503

# 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.



56.2425, 51.6536, 76.6027



46.4289, 51.6536, 34.3111



47.0039, 51.6536, 86.5635

# Square

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



46.4289, 51.6536, 34.3111



40.6800, 51.6536, 64.3848



51.8617, 51.6536, 85.9569



58.5976, 51.6536, 48.8165



# Rectangle

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



46.4289, 51.6536, 34.3111



40.9873, 51.6536, 46.3702



51.8617, 51.6536, 85.9569



58.2074, 51.6536, 67.4239

# Sweetspot

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



46.4302, 51.6559, 34.3122



89.7326, 96.2660, 90.3850



37.6117, 33.8158, 31.9986



19.5277, 21.0237, 19.1731



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.



46.4302, 51.6559, 34.3122



82.6851, 92.8819, 55.0162



41.2266, 49.3010, 34.1319



10.8953, 11.7221, 10.7502



26.7501, 31.7860, 4.7254



1.1615, 1.3847, 0.2061



# Inverse Universe

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



31.6934, 30.4717, 55.2503



51.6795, 48.3121, 99.0712



35.9836, 32.4567, 55.4073



9.5443, 9.7800, 12.6695



6.4376, 2.6317, 33.7253



0.2839, 0.1253, 1.4591



# Previews

## White Background



This preview shows how the XYZ color 46.4289, 51.6536, 34.3111 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

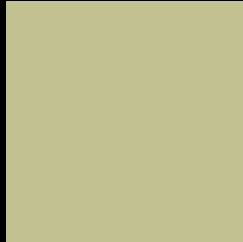
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4289, 51.6536, 34.3111 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

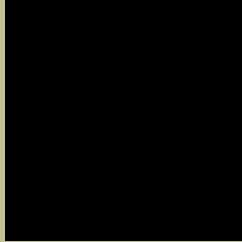
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.4289, 51.6536, 34.3111**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4289, 51.6536, 34.3111.



This preview shows how white text looks on a background with the XYZ color 46.4289, 51.6536,



# 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

46.4289, 51.6536, 34.3111

### Protanopia

48.3493, 51.6779, 33.8121

### Deuteranopia

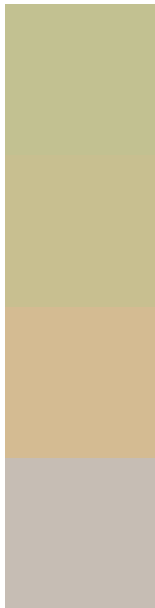
52.6314, 51.6615, 34.8015



## Tritanopia

52.0716, 51.7054, 61.8793

# Trichromacy



## Original Color

46.4289, 51.6536, 34.3111

## Protanomaly

47.4843, 51.5546, 33.8339

## Deuteranomaly

50.1100, 51.6130, 34.5154

## Tritanomaly

49.7245, 51.6962, 50.5376

# Monochromacy



## Original Color

46.4289, 51.6536, 34.3111

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

47.0951, 50.7526, 46.3438

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4289, 51.6536, 34.3111 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(194, 193, 145)` looks like.

```
.text, #text, p{  
    color:rgb(194, 193, 145)  
}
```

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(194, 193, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 193, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4289, 51.6536, 34.3111 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(194, 193, 145) }
```



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

```
.border{ border-color:rgb(194, 193, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 193, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 193, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 193, 145);  
box-shadow:4px 4px 4px 4px rgb(194, 193,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4289, 51.6536, 34.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 193, 145) }
```

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

```
.background{ background-color: rgb(194,  
193, 145) }
```

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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