

# Converting Colors

XYZ(45.1957, 52.4231, 30.1136)

Have a look what the booklet for  
XYZ(45.1957, 52.4231, 30.1136)  
contains.

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# Color

**XYZ(45.2556, 52.4726,  
30.2972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC586
RGB	189, 197, 134
RGB Percent	74%, 77%, 53%
CMY	0.2588, 0.2274, 0.4745
CMYK	0.04, 0.00, 0.32, 0.23
HSL	68°, 35%, 65%
HSV	68°, 32%, 77%
XYZ	45.2556, 52.4726, 30.2972
YIQ	187.4260, 15.4550, -21.2890

# Conversions

## Conversions Part 2

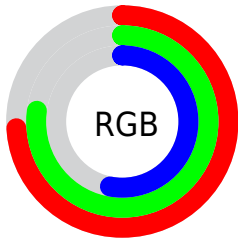
Format	Color
<a href="#">RYB</a>	<a href="#">134, 197, 142</a>
Decimal	<a href="#">12436870</a>
CIELab	<a href="#">77.56, -12.85, 30.74</a>
CIELCh	<a href="#">78, 33.323, 112.687</a>
Yxy	<a href="#">52.4726, 0.3535, 0.4099</a>
Android (android.graphics.Color)	<a href="#">4290626950 (0xFFBDC586)</a>
YUV	<a href="#">187.4260, -26.3390, 1.3804</a>
Hunter-Lab	<a href="#">72.4380, -15.2486, 25.9085</a>

# Details

The XYZ color **45.2556, 52.4726, 30.2972** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.7605, 26.8335, 56.4372**, and the grayscale version is **47.6140, 50.0937, 54.5520**.

A 20% lighter version of the original color is **82.5249, 94.1073, 61.3919**, and **21.3755, 25.4204, 11.9636** is the 20% darker color. If you saturate the color by 10%, you get **43.3925, 51.6581, 23.6936**, and if you desaturate by 10%, it is **47.3880, 53.3997, 38.2516**.

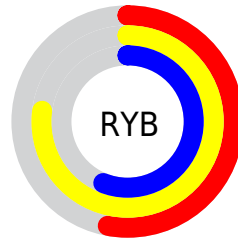
# Distribution



Red (74%)

Green (77%)

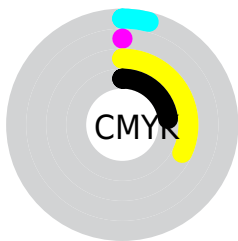
Blue (53%)



Red (53%)

Yellow (77%)

Blue (56%)

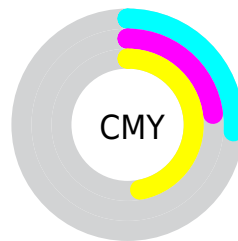


Cyan (4%)

Magenta (0%)

Yellow (32%)

Black (23%)



Cyan (26%)

Magenta (23%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2556, 52.4726, 30.2972 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 45.2556, 52.4726, 30.2972 by changing the saturation by 10% instead.





 45.2556, 52.4726,  
30.2972


 45.2556, 52.4726,  
30.2972


358.5741,  
396.2584, 317.5376

 31.8609, 37.3819,  
19.8103


 82.3385, 93.8279,  
61.1984

 21.4103, 25.5033,  
12.0745


 106.7575,  
120.8612, 82.4498

 13.5384, 16.4524,  
6.6713

 135.5820,  
152.6442, 108.1265

 7.8799, 9.8449,  
3.1821

169.1773,  
189.5613, 138.6470

 4.0693, 5.2962,  
1.1883

207.9088,  
231.9969, 174.4298

 1.7414, 2.4221,  
0.0000

252.1419,

 0.4820, 0.8372,

280.3354, 215.8935

0.0000

302.2418,  
334.9611, 263.4566

■ 0.0000, 0.0000,  
0.0000

■ 45.2556, 52.4726,  
30.2972

■ 45.2556, 52.4726,  
30.2972

■ 43.3925, 51.6581,  
23.6936

■ 47.3880, 53.3997,  
38.2516

■ 41.7806, 50.9434,  
18.3626

■ 49.7990, 54.4377,  
47.6227

■ 40.4054, 50.3247,  
14.2228


■ 52.5023, 55.5939,  
58.4761

■ 39.2494, 49.7948,  
11.1823


■ 55.5093, 56.8728,  
70.8722


■ 38.2926, 49.3459,  
9.1357


■ 58.8309, 58.2788,  
84.8683


 37.5109, 48.9682,  
7.9571

 62.4775, 59.8161,  
100.5185

 36.9751, 48.7026,  
7.4517

 63.6161, 60.3514,  
102.9038

 64.3189, 60.7137,  
102.9367

 65.0328, 61.0818,  
102.9701

# Harmonies

## Analogous

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



51.4639, 52.4726, 28.7192



45.2556, 52.4726, 30.2972



40.6729, 52.4726, 38.2468

# Triad

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



45.2556, 52.4726, 30.2972



42.7487, 52.4726, 90.1738



63.1684, 52.4726, 61.7600

# Complementary

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



45.2556, 52.4726, 30.2972



29.7605, 26.8335, 56.4372

# 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.



60.3667, 52.4726, 81.3956



45.2556, 52.4726, 30.2972



48.3165, 52.4726, 99.9392

# Square

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



45.2556, 52.4726, 30.2972



39.3148, 52.4726, 71.9070



54.7956, 52.4726, 96.4221



62.1716, 52.4726, 44.5366



# Rectangle

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



45.2556, 52.4726, 30.2972



38.9774, 52.4726, 47.2316



54.7956, 52.4726, 96.4221



62.6320, 52.4726, 68.3313

# Sweetspot

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



45.2569, 52.4749, 30.2983



90.0308, 97.8558, 88.6382



36.9074, 32.7461, 26.9303



19.1288, 20.8845, 18.4106



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.



45.2569, 52.4749, 30.2983



78.7948, 92.9913, 46.1891



38.4013, 48.9407, 29.9775



11.3862, 12.3460, 11.3457



24.3679, 32.0574, 4.9034



1.1919, 1.5375, 0.2340



# Inverse Universe

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



29.7605, 26.8335, 56.4372



46.9606, 40.2999, 99.9113



35.8053, 29.9497, 56.7201



10.1799, 10.3510, 13.3789



6.9325, 2.8081, 34.9210



0.3707, 0.1548, 1.6555



# Previews

## White Background



This preview shows how the XYZ color 45.2556, 52.4726, 30.2972 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 45.2556, 52.4726, 30.2972 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

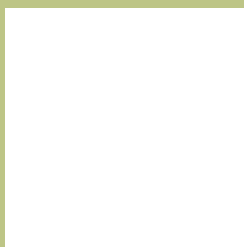
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.2556, 52.4726, 30.2972**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2556, 52.4726, 30.2972.



This preview shows how white text looks on a background with the XYZ color 45.2556, 52.4726,



# 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

45.2556, 52.4726, 30.2972

### Protanopia

48.5278, 52.1929, 29.3464

### Deuteranopia

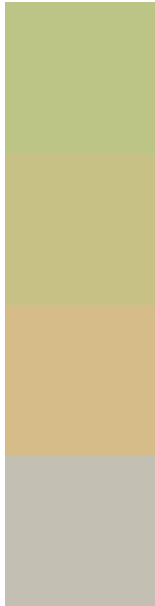
53.1274, 52.0040, 30.9046



## Tritanopia

52.0514, 52.2840, 63.8483

# Trichromacy



## Original Color

45.2556, 52.4726, 30.2972

## Protanomaly

47.1230, 52.1127, 29.7654

## Deuteranomaly

49.8677, 51.8901, 30.6800

## Tritanomaly

49.1724, 52.0781, 49.5799

# Monochromacy



## Original Color

45.2556, 52.4726, 30.2972

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

46.4377, 50.7801, 44.3998

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2556, 52.4726, 30.2972 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, 197, 134)` looks like.

```
.text, #text, p{  
    color:rgb(189, 197, 134)  
}
```

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, 197, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 197, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2556, 52.4726, 30.2972 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, 197, 134) }
```



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

```
.border{ border-color:rgb(189, 197, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 197, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 197, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 197, 134);  
box-shadow:4px 4px 4px 4px rgb(189, 197,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2556, 52.4726, 30.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 197, 134) }
```

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

```
.background{ background-color: rgb(189,  
197, 134) }
```

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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