

# Converting Colors

XYZ(46.6630, 54.7348, 24.4831)

Have a look what the booklet for  
XYZ(46.6630, 54.7348, 24.4831)  
contains.

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# **Color**

**XYZ(46.5447, 54.6363,  
24.6157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C974
RGB	195, 201, 116
RGB Percent	76%, 79%, 45%
CMY	0.2353, 0.2117, 0.5451
CMYK	0.03, 0.00, 0.42, 0.21
HSL	64°, 44%, 62%
HSV	64°, 42%, 79%
XYZ	46.5447, 54.6363, 24.6157
YIQ	189.5160, 23.7090, -27.7070

# Conversions

## Conversions Part 2

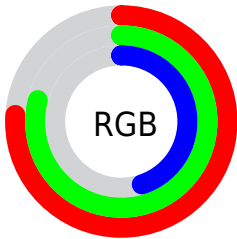
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 201, 122
Decimal	12831092
CIELab	78.83, -14.65, 41.66
CIELCh	79, 44.165, 109.371
Yxy	54.6363, 0.3700, 0.4343
Android (android.graphics.Color)	4291021172 (0xFFC3C974)
YUV	189.5160, -36.2434, 4.8095
Hunter-Lab	73.9164, -16.9533, 31.9966

# Details

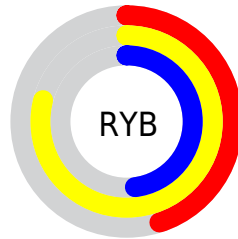
The XYZ color **46.5447, 54.6363, 24.6157** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.8160, 20.8468, 57.9774**, and the grayscale version is **48.8585, 51.4029, 55.9778**.

A 20% lighter version of the original color is **83.4294, 95.2672, 51.5273**, and **22.2031, 26.8245, 9.0085** is the 20% darker color. If you saturate the color by 10%, you get **45.1351, 54.0322, 19.0931**, and if you desaturate by 10%, it is **48.2135, 55.3483, 31.4731**.

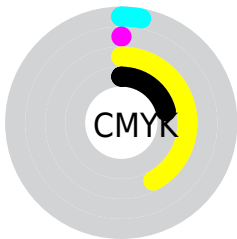
# Distribution



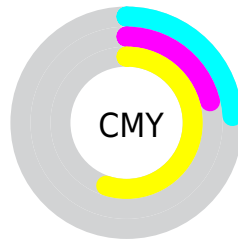
- Red (76%)
- Green (79%)
- Blue (45%)



- Red (45%)
- Yellow (79%)
- Blue (48%)



- Cyan (3%)
- Magenta (0%)
- Yellow (42%)
- Black (21%)



- Cyan (24%)
- Magenta (21%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5447, 54.6363, 24.6157 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 46.5447, 54.6363, 24.6157 by changing the saturation by 10% instead.





 46.5447, 54.6363,  
24.6157

 46.5447, 54.6363,  
24.6157


363.6736,  
404.5318, 289.3048


 32.8823, 39.1106,  
15.5746


 84.2565, 97.0079,  
51.9895

 22.1951, 26.8458,  
9.0725


 109.0366,  
124.6225, 71.1591

 14.1177, 17.4574,  
4.6911


 138.2533,  
157.0357, 94.5421

 8.2848, 10.5612,  
2.0116

172.2720,  
194.6316, 122.5569

 4.3311, 5.7726,  
0.5624

211.4580,  
237.7948, 155.6220

 1.8911, 2.7073,  
0.0000

256.1767,

 0.5717, 0.9809,

286.9097, 194.1560

0.0000

306.7934,  
342.3605, 238.5774

■ 0.0000, 0.0000,  
0.0000

■ 46.5447, 54.6363,  
24.6157

■ 46.5447, 54.6363,  
24.6157

■ 45.1351, 54.0322,  
19.0931

■ 48.2135, 55.3483,  
31.4731

■ 43.9642, 53.5221,  
14.8150

■ 50.1524, 56.1669,  
39.7409

■ 43.0149, 53.1009,  
11.6855


■ 52.3767, 57.1000,  
49.4930


■ 42.2659, 52.7604,  
9.5934


■ 54.8992, 58.1528,  
60.7974


■ 41.6920, 52.4903,  
8.4051


■ 57.7321, 59.3302,  
73.7176

 41.3336, 52.3159,  
7.9195

 60.8868, 60.6367,  
88.3139

 64.0982, 61.9663,  
103.1901

 64.4915, 62.1691,  
103.2085

 64.8885, 62.3737,  
103.2271

# Harmonies

## Analogous

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



55.0972, 54.6363, 23.5747



46.5447, 54.6363, 24.6157



40.1740, 54.6363, 33.2964

# Triad

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



46.5447, 54.6363, 24.6157



41.7224, 54.6363, 104.0896



70.2932, 54.6363, 68.8319

# Complementary

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



46.5447, 54.6363, 24.6157



24.8160, 20.8468, 57.9774

# 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.



65.7815, 54.6363, 96.7256



46.5447, 54.6363, 24.6157



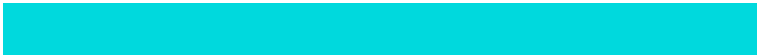
48.8869, 54.6363, 120.5622

# Square

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



46.5447, 54.6363, 24.6157



37.6139, 54.6363, 76.9548



57.7158, 54.6363, 117.5420



69.4837, 54.6363, 44.8897



# Rectangle

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



46.5447, 54.6363, 24.6157



37.7160, 54.6363, 44.0704



57.7158, 54.6363, 117.5420



69.3303, 54.6363, 78.1416

# Sweetspot

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



46.5460, 54.6388, 24.6168



89.3084, 97.6044, 83.1344



34.1603, 27.5172, 20.0347



18.9261, 20.8120, 16.9571



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.



46.5460, 54.6388, 24.6168



77.3988, 92.5583, 33.1715



37.1465, 49.7931, 24.1770



11.4471, 12.3774, 11.3485



26.0201, 32.9091, 4.9807



1.2547, 1.5699, 0.2369



# Inverse Universe

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



24.8160, 20.8468, 57.9774



35.2307, 26.9542, 97.9536



32.1340, 24.6193, 58.3198



10.1249, 10.3227, 13.3763



6.7739, 2.7263, 34.9136



0.3454, 0.1418, 1.6543



# Previews

## White Background



This preview shows how the XYZ color 46.5447, 54.6363, 24.6157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

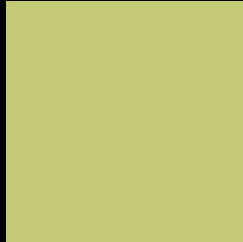
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5447, 54.6363, 24.6157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

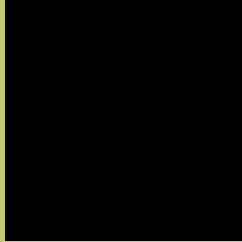
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.5447, 54.6363, 24.6157**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5447, 54.6363, 24.6157.



This preview shows how white text looks on a background with the XYZ color 46.5447, 54.6363, 24.6157.



# 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

46.5447, 54.6363, 24.6157

### Protanopia

50.2839, 54.5413, 23.7969

### Deuteranopia

55.4808, 54.2826, 25.0062



## Tritanopia

54.9482, 54.6970, 66.0540

# Trichromacy



## Original Color

46.5447, 54.6363, 24.6157

## Protanomaly

48.7929, 54.4357, 24.1551

## Deuteranomaly

51.7196, 53.9418, 24.8254

## Tritanomaly

51.1453, 54.4649, 47.3523

# Monochromacy



## Original Color

46.5447, 54.6363, 24.6157

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.6409, 52.4344, 42.2602

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5447, 54.6363, 24.6157 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(195, 201, 116)` looks like.

```
.text, #text, p{  
    color:rgb(195, 201, 116)  
}
```

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(195, 201, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 201, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5447, 54.6363, 24.6157 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".

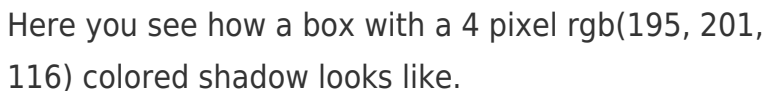
```
.border, #border, table{ border:4px solid rgb(195, 201, 116) }
```



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

```
.border{ border-color:rgb(195, 201, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 201, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 201, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 201, 116); box-shadow:4px 4px 4px 4px rgb(195, 201, 116) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5447, 54.6363, 24.6157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 201, 116) }
```

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

```
.background{ background-color: rgb(195,  
201, 116) }
```

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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