

# Converting Colors

XYZ(47.8183, 63.7904, 26.8808)

Have a look what the booklet for  
XYZ(47.8183, 63.7904, 26.8808)  
contains.

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# Color

**XYZ(47.8302, 63.8494,  
26.9428)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B0E076
RGB	176, 224, 118
RGB Percent	69%, 88%, 46%
CMY	0.3098, 0.1215, 0.5372
CMYK	0.21, 0.00, 0.47, 0.12
HSL	87°, 63%, 67%
HSV	87°, 47%, 88%
XYZ	47.8302, 63.8494, 26.9428
YIQ	197.5640, 5.4180, -43.1420

# Conversions

## Conversions Part 2

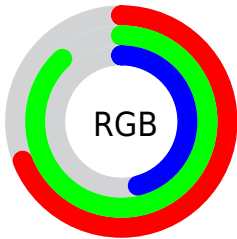
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">118, 224, 166</a>
Decimal	<a href="#">11591798</a>
CIELab	<a href="#">83.89, -32.85, 46.66</a>
CIElCh	<a href="#">84, 57.060, 125.145</a>
Yxy	<a href="#">63.8494, 0.3450, 0.4606</a>
Android (android.graphics.Color)	<a href="#">4289781878 (0xFFB0E076)</a>
YUV	<a href="#">197.5640, -39.2251, -18.9116</a>
Hunter-Lab	<a href="#">79.9058, -32.9883, 35.9426</a>

# Details

The XYZ color **47.8302, 63.8494, 26.9428** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.6615, 26.4475, 73.7498**, and the grayscale version is **53.6414, 56.4350, 61.4577**.

A 20% lighter version of the original color is **76.8107, 91.8222, 52.7048**, and **23.0565, 32.8342, 10.2767** is the 20% darker color. If you saturate the color by 10%, you get **44.4458, 62.2426, 20.6421**, and if you desaturate by 10%, it is **51.7053, 65.6766, 34.9189**.

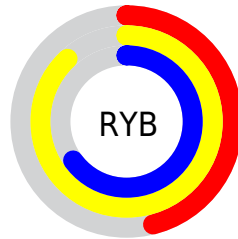
# Distribution



Red (69%)

Green (88%)

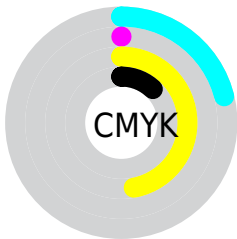
Blue (46%)



Red (46%)

Yellow (88%)

Blue (65%)

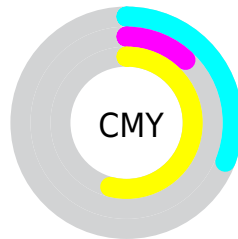


Cyan (21%)

Magenta (0%)

Yellow (47%)

Black (12%)



Cyan (31%)

Magenta (12%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8302, 63.8494, 26.9428 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 47.8302, 63.8494, 26.9428 by changing the saturation by 10% instead.



■ 47.8302, 63.8494,  
26.9428

■ 47.8302, 63.8494,  
26.9428

368.7125,  
438.6456, 301.1315

■ 33.9031, 46.5287,  
17.2982

■ 86.1628, 110.3940,  
55.7947

■ 22.9817, 32.6632,  
10.2831

■ 111.2990,  
140.3867, 75.8391

■ 14.7006, 21.8686,  
5.4790

■ 140.9023,  
175.3722, 100.1871

■ 8.6945, 13.7604,  
2.4674

175.3380,  
215.7350, 129.2574

■ 4.5980, 7.9542,  
0.8228

214.9715,  
261.8592, 163.4684

■ 2.0457, 4.0656,  
0.0000

260.1682,

■ 0.6594, 1.7104,

314.1295, 203.2388

0.0000

311.2934,  
372.9302, 248.9869

0.0000, 0.4303,  
0.0000

0.0000, 0.0000,  
0.0000

47.8302, 63.8494,  
26.9428

47.8302, 63.8494,  
26.9428

44.4458, 62.2426,  
20.6421

51.7053, 65.6766,  
34.9189

41.5208, 60.8369,  
15.8928


56.0905, 67.7259,  
44.6744

39.0274, 59.6226,  
12.5604


61.0097, 70.0094,  
56.3098


36.9313, 58.5858,  
10.4856

66.4836, 72.5357,  
69.9167

 35.1880, 57.7081,  
9.4565

 72.5317, 75.3132,  
85.5810

 34.7627, 57.4926,  
9.2650

 79.1727, 78.3496,  
103.3832

 83.0687, 80.3102,  
105.7310

 85.9470, 81.7940,  
105.8657

# Harmonies

## Analogous

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



58.5487, 63.8494, 20.9107



47.8302, 63.8494, 26.9428



41.3208, 63.8494, 44.3334

# Triad

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



47.8302, 63.8494, 26.9428



51.0998, 63.8494, 152.9610



88.0295, 63.8494, 63.5065

# Complementary

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



47.8302, 63.8494, 26.9428



35.6615, 26.4475, 73.7498

# 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.



85.3186, 63.8494, 102.7985



47.8302, 63.8494, 26.9428



62.8766, 63.8494, 163.5528

# Square

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



47.8302, 63.8494, 26.9428



43.0182, 63.8494, 117.3684



75.6629, 63.8494, 142.7156



82.6318, 63.8494, 36.8473



# Rectangle

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



47.8302, 63.8494, 26.9428



39.6803, 63.8494, 63.8354



75.6629, 63.8494, 142.7156



88.0431, 63.8494, 75.5348

# Sweetspot

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



47.8318, 63.8522, 26.9442



84.1259, 94.9719, 81.1226



47.5946, 44.3211, 23.1868



17.6749, 20.1747, 16.5505



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.



47.8318, 63.8522, 26.9442



59.5854, 83.4795, 27.6248



38.1390, 58.8554, 26.4906



14.2420, 15.7049, 14.5875



20.3677, 33.5324, 5.3989



1.5146, 2.3773, 0.3790



# Inverse Universe

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



35.6615, 26.4475, 73.7498



41.3740, 27.4654, 97.7284



49.0587, 33.3540, 74.3768



13.5386, 13.5457, 17.2887



11.1130, 4.8243, 41.3938



0.8724, 0.3870, 2.8740



# Previews

## White Background



This preview shows how the XYZ color 47.8302, 63.8494, 26.9428 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 47.8302, 63.8494, 26.9428 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 47.8302, 63.8494, 26.9428**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8302, 63.8494, 26.9428.



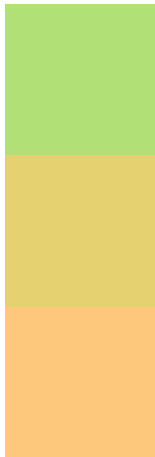
This preview shows how white text looks on a background with the XYZ color 47.8302, 63.8494,

26.9428.

# 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

47.8302, 63.8494, 26.9428

### Protanopia

58.4142, 63.6162, 24.8232

### Deuteranopia

64.5695, 63.1847, 27.8615



## Tritanopia

59.0329, 63.7648, 82.5953

# Trichromacy



**Original Color**

47.8302, 63.8494, 26.9428

**Protanomaly**

53.7194, 63.0326, 25.5548

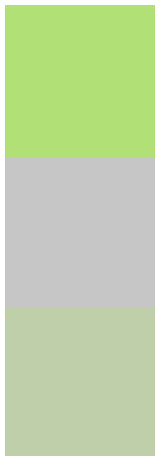
**Deuteranomaly**

57.1201, 62.5244, 27.4702

**Tritanomaly**

53.8827, 63.1817, 56.9323

# Monochromacy



**Original Color**

47.8302, 63.8494, 26.9428

**Achromatopsia**

53.6758, 56.4712, 61.4971

**Achromatomaly**

50.7095, 58.4374, 46.1430

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8302, 63.8494, 26.9428 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(176, 224, 118)` looks like.

```
.text, #text, p{  
    color:rgb(176, 224, 118)  
}
```

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(176, 224, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 224, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8302, 63.8494, 26.9428 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(176, 224, 118) }
```



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

```
.border{ border-color:rgb(176, 224, 118) }
```

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

Here you see how a box with a 4 pixel rgb(176, 224, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 224, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 224, 118);  
box-shadow:4px 4px 4px 4px rgb(176, 224,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8302, 63.8494, 26.9428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 224, 118) }
```

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

```
.background{ background-color: rgb(176,  
224, 118) }
```

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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