

# Converting Colors

XYZ(47.4588, 64.1964, 11.1538)

Have a look what the booklet for  
XYZ(47.4588, 64.1964, 11.1538)  
contains.

<b>XYZ(47.3965, 63.9750, 11.1467)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.3965, 63.9750,  
11.1467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE01F
RGB	187, 224, 31
RGB Percent	73%, 88%, 12%
CMY	0.2667, 0.1215, 0.8784
CMYK	0.17, 0.00, 0.86, 0.12
HSL	72°, 76%, 50%
HSV	72°, 86%, 88%
XYZ	47.3965, 63.9750, 11.1467
YIQ	190.9350, 39.9010, -67.8670

# Conversions

## Conversions Part 2

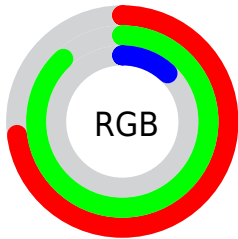
Format	Color
<a href="#">RYB</a>	31, 224, 68
Decimal	12312607
CIELab	83.95, -34.33, 78.77
CIELCh	84, 85.929, 113.551
Yxy	63.9750, 0.3869, 0.5222
Android (android.graphics.Color)	4290502687 (0xFFBBE01F)
YUV	190.9350, -78.8480, -3.4510
Hunter-Lab	79.9844, -34.1986, 47.7263

# Details

The XYZ color **47.3965, 63.9750, 11.1467** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **16.3308, 7.5924, 71.1295**, and the grayscale version is **49.9125, 52.5118, 57.1853**.

A 20% lighter version of the original color is **76.3699, 92.1950, 25.5747**, and **23.2412, 33.0431, 5.1530** is the 20% darker color. If you saturate the color by 10%, you get **46.1624, 63.3641, 10.0448**, and if you desaturate by 10%, it is **48.8693, 64.6897, 13.3289**.

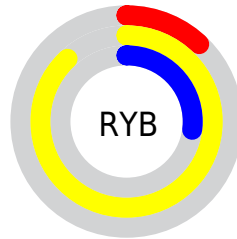
# Distribution



Red (73%)

Green (88%)

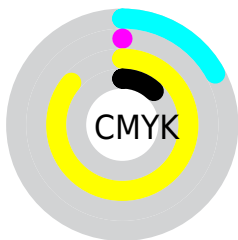
Blue (12%)



Red (12%)

Yellow (88%)

Blue (27%)

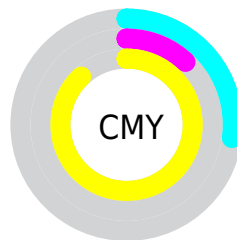


Cyan (17%)

Magenta (0%)

Yellow (86%)

Black (12%)



Cyan (27%)

Magenta (12%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3965, 63.9750, 11.1467 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 47.3965, 63.9750, 11.1467 by changing the saturation by 10% instead.



47.3965, 63.9750,  
11.1467

47.3965, 63.9750,  
11.1467

367.0175,  
439.0994, 209.4447

33.5585, 46.6304,  
6.0502

85.5203, 110.5749,  
28.5719

22.7159, 32.7436,  
2.8063

110.5368,  
140.5991, 41.7377

14.5034, 21.9301,  
0.9966

140.0102,  
175.6185, 58.4303

8.5557, 13.8055,  
0.0000

174.3058,  
216.0177, 79.0683

4.5073, 7.9855,  
0.0000

213.7890,  
262.1810, 104.0701

1.9929, 4.0857,  
0.0000

258.8251,

0.6300, 1.7216,

314.4927, 133.8545

0.0000

309.7795,  
373.3374, 168.8398

■ 0.0000, 0.4376,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 47.3965, 63.9750,  
11.1467

■ 47.3965, 63.9750,  
11.1467

■ 46.1624, 63.3641,  
10.0448

■ 48.8693, 64.6897,  
13.3289

■ 45.7255, 63.1443,  
9.7781

■ 50.6136, 65.5142,  
16.7815

■ 52.6606, 66.4636,  
21.6617

■ 55.0360, 67.5481,  
28.1030

■ 57.7626, 68.7768,  
36.2236

■ 60.8607, 70.1579,  
46.1303

■ 64.3494, 71.6990,  
57.9211

■ 68.2460, 73.4071,  
71.6867

■ 72.5670, 75.2888,  
87.5122

# Harmonies

## Analogous

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



64.9851, 63.9750, 8.9460



47.3965, 63.9750, 11.1467



35.9842, 63.9750, 24.2800

# Triad

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



47.3965, 63.9750, 11.1467



41.6508, 63.9750, 191.5872



104.5982, 63.9750, 82.0292

# Complementary

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



47.3965, 63.9750, 11.1467



16.3308, 7.5924, 71.1295

# 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.



95.0192, 63.9750, 151.7135



47.3965, 63.9750, 11.1467



56.8106, 63.9750, 232.9724

# Square

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



47.3965, 63.9750, 11.1467



33.1798, 63.9750, 120.1384



76.5332, 63.9750, 215.4926



100.6291, 63.9750, 35.7674



# Rectangle

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



47.3965, 63.9750, 11.1467



32.1611, 63.9750, 44.1223



76.5332, 63.9750, 215.4926



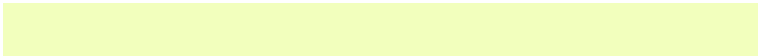
102.8012, 63.9750, 103.5253

# Sweetspot

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



47.3980, 63.9779, 11.1480



81.6294, 94.1092, 61.8361



32.9610, 19.8899, 3.3991



17.1493, 19.9998, 12.1836



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.



47.3980, 63.9779, 11.1480



61.2426, 84.6568, 13.1126



31.3309, 55.6950, 10.3961



14.6007, 15.8898, 14.6043



26.7073, 36.8006, 5.6956



1.9182, 2.5854, 0.3979



# Inverse Universe

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



16.3308, 7.5924, 71.1295



19.3116, 7.8704, 95.1090



29.0275, 14.1378, 71.7237



13.1961, 13.3691, 17.2727



8.4826, 3.4683, 41.2707



0.6591, 0.2771, 2.8640



# Previews

## White Background



This preview shows how the XYZ color 47.3965, 63.9750, 11.1467 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 47.3965, 63.9750, 11.1467 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 47.3965, 63.9750, 11.1467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3965, 63.9750, 11.1467.



This preview shows how white text looks on a background with the XYZ color 47.3965, 63.9750,



# 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**

47.3965, 63.9750, 11.1467

**Protanopia**

57.2479, 63.3377, 10.1854

**Deuteranopia**

64.1464, 63.4694, 20.6743



## Tritanopia

61.3233, 63.5271, 80.2640

# Trichromacy



## Original Color

47.3965, 63.9750, 11.1467

## Protanomaly

53.1696, 63.0824, 10.4724

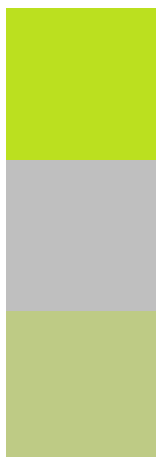
## Deuteranomaly

56.6696, 62.9183, 15.6362

## Tritanomaly

53.1680, 62.4320, 39.8202

# Monochromacy



## Original Color

47.3965, 63.9750, 11.1467

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

46.8248, 55.3525, 30.4065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3965, 63.9750, 11.1467 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(187, 224, 31)` looks like.

```
.text, #text, p{  
    color:rgb(187, 224, 31)  
}
```

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(187, 224, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 224, 31) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3965, 63.9750, 11.1467 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(187, 224, 31) }
```



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

```
.border{ border-color:rgb(187, 224, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 224, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 224, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 224, 31);  
box-shadow:4px 4px 4px 4px rgb(187, 224,  
31) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3965, 63.9750, 11.1467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 224, 31) }
```

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

```
.background{ background-color: rgb(187,  
224, 31) }
```

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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