

# Converting Colors

XYZ(44.0578, 61.4092, 7.8087)

Have a look what the booklet for  
XYZ(44.0578, 61.4092, 7.8087)  
contains.

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# Color

**XYZ(44.4814, 61.7075,  
9.5663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2DE00
RGB	178, 222, 0
RGB Percent	70%, 87%, 0%
CMY	0.3020, 0.1294, 0.9999
CMYK	0.20, 0.00, 1.00, 0.13
HSL	72°, 100%, 44%
HSV	72°, 100%, 87%
XYZ	44.4814, 61.7075, 9.5663
YIQ	183.5360, 45.0380, -78.3700

# Conversions

## Conversions Part 2

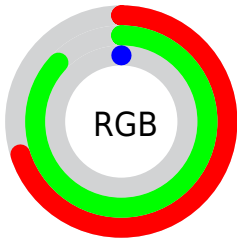
Format	Color
<a href="#">RYB</a>	<a href="#">0, 222, 44</a>
Decimal	<a href="#">11722240</a>
CIELab	<a href="#">82.76, -37.48, 81.36</a>
CIELCh	<a href="#">83, 89.580, 114.736</a>
Yxy	<a href="#">61.7075, 0.3843, 0.5331</a>
Android (android.graphics.Color)	<a href="#">4289912320 (0xFFB2DE00)</a>
YUV	<a href="#">183.5360, -90.4832, -4.8551</a>
Hunter-Lab	<a href="#">78.5541, -36.3938, 47.7676</a>

# Details

The XYZ color **44.4814, 61.7075, 9.5663** 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 **14.2260, 5.8110, 69.4827**, and the grayscale version is **45.7728, 48.1566, 52.4425**.

A 20% lighter version of the original color is **72.7813, 90.4017, 22.8458**, and **21.5644, 31.6305, 4.9687** is the 20% darker color. If you saturate the color by 10%, you get **44.4814, 61.7096, 9.5667**, and if you desaturate by 10%, it is **45.6559, 62.2981, 10.3891**.

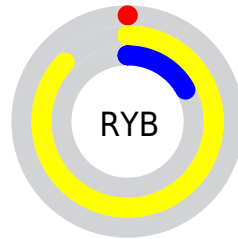
# Distribution



Red (70%)

Green (87%)

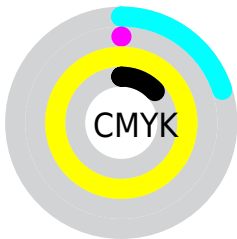
Blue (0%)



Red (0%)

Yellow (87%)

Blue (17%)

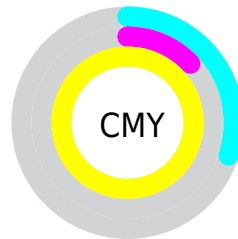


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (30%)

Magenta (13%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4814, 61.7075, 9.5663 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 44.4814, 61.7075, 9.5663 by changing the saturation by 10% instead.





 44.4814, 61.7075,  
9.5663


 44.4814, 61.7075,  
9.5663


355.4883,  
430.8633, 197.9191


 31.2487, 44.7964,  
5.0105


 81.1835, 107.3027,  
25.5714

 20.9410, 31.2971,  
2.1946


 105.3836,  
136.7555, 37.8579

 13.1931, 20.8252,  
0.6712


 133.9702,  
171.1578, 53.5583

 7.6396, 12.9963,  
0.0000

 167.3087,  
210.8938, 73.0913

 3.9151, 7.4260,  
0.0000

 205.7644,  
256.3479, 96.8753

 1.6542, 3.7299,  
0.0000

 249.7026,

 0.4273, 1.5236,

307.9047, 125.3289

0.0000

299.4888,  
365.9483, 158.8706

■ 0.0000, 0.3053,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.4814, 61.7075,  
9.5663

■ 44.4814, 61.7075,  
9.5663

■ 44.4814, 61.7096,  
9.5667

■ 45.6559, 62.2981,  
10.3891

■ 47.0305, 62.9702,  
12.1011

■ 48.6616, 63.7488,  
14.9922

■ 50.5808, 64.6465,  
19.2260

■ 52.8144, 65.6737,  
24.9406

■ 55.3857, 66.8400,  
32.2565

■ 58.3154, 68.1536,  
41.2823

■ 61.6228, 69.6222,  
52.1169

■ 65.3253, 71.2529,  
64.8515

# Harmonies

## Analogous

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



62.1139, 61.7075, 7.2518



44.4814, 61.7075, 9.5663



33.3152, 61.7075, 22.6787

# Triad

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



44.4814, 61.7075, 9.5663



39.7658, 61.7075, 196.2946



103.7888, 61.7075, 77.3941

# Complementary

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



44.4814, 61.7075, 9.5663



14.2260, 5.8110, 69.4827

# 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.



94.3768, 61.7075, 148.8909



44.4814, 61.7075, 9.5663



55.3195, 61.7075, 237.7670

# Square

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



44.4814, 61.7075, 9.5663



31.0393, 61.7075, 122.0483



75.5496, 61.7075, 216.8542



99.1184, 61.7075, 31.8670



# Rectangle

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



44.4814, 61.7075, 9.5663



29.6909, 61.7075, 42.9599



75.5496, 61.7075, 216.8542



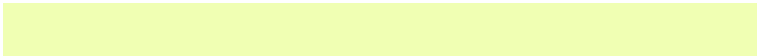
102.1154, 61.7075, 99.1511

# Sweetspot

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



44.4828, 61.7103, 9.5676



79.7252, 93.2508, 56.1804



30.9094, 17.0973, 1.6718



16.6877, 19.7910, 10.8436



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.



44.4828, 61.7103, 9.5676



60.7848, 84.4207, 13.0911



28.6718, 53.5594, 8.8277



14.5916, 15.8852, 14.6039



26.5118, 36.6998, 5.6865



1.9063, 2.5792, 0.3974



# Inverse Universe

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



14.2260, 5.8110, 69.4827



19.3928, 7.9122, 95.1128



26.0810, 11.9225, 70.0375



13.2045, 13.3735, 17.2731



8.5206, 3.4879, 41.2725



0.6631, 0.2791, 2.8642



# Previews

## White Background



This preview shows how the XYZ color 44.4814, 61.7075, 9.5663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

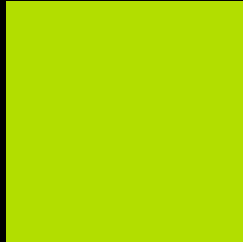
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4814, 61.7075, 9.5663 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 44.4814, 61.7075, 9.5663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4814, 61.7075, 9.5663.



This preview shows how white text looks on a background with the XYZ color 44.4814, 61.7075,



# 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

44.4814, 61.7075, 9.5663

### Protanopia

55.3500, 61.2984, 8.9145

### Deuteranopia

62.2499, 61.2479, 15.1977



## Tritanopia

58.4165, 61.3406, 78.5731

# Trichromacy



## Original Color

44.4814, 61.7075, 9.5663

## Protanomaly

50.6949, 61.0840, 9.1185

## Deuteranomaly

54.0434, 60.2069, 11.5690

## Tritanomaly

49.6612, 59.9871, 34.5524

# Monochromacy



## Original Color

44.4814, 61.7075, 9.5663

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

42.6964, 51.6176, 24.5425

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4814, 61.7075, 9.5663 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(178, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 222, 0)  
}
```

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(178, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 222, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4814, 61.7075, 9.5663 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(178, 222, 0) }
```



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

```
.border{ border-color:rgb(178, 222, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 222,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4814, 61.7075, 9.5663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 222, 0) }
```

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

```
.background{ background-color: rgb(178,  
222, 0) }
```

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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