

# Converting Colors

XYZ(44.8476, 61.6732, 19.6656)

Have a look what the booklet for  
XYZ(44.8476, 61.6732, 19.6656)  
contains.

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# Color

**XYZ(44.8476, 61.6732,  
19.6656)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABDE5C
RGB	171, 222, 92
RGB Percent	67%, 87%, 36%
CMY	0.3294, 0.1294, 0.6392
CMYK	0.23, 0.00, 0.59, 0.13
HSL	84°, 66%, 62%
HSV	84°, 59%, 87%
XYZ	44.8476, 61.6732, 19.6656
YIQ	191.9310, 11.3340, -51.2420

# Conversions

## Conversions Part 2

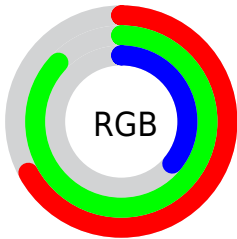
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	92, 222, 143
Decimal	11263580
CIE <sub>Lab</sub>	82.74, -36.34, 57.19
CIE <sub>LCh</sub>	83, 67.759, 122.436
Yxy	61.6732, 0.3554, 0.4887
Android (android.graphics.Color)	4289453660 (0xFFABDE5C)
YUV	191.9310, -49.2660, -18.3565
Hunter-Lab	78.5323, -35.4951, 40.1255

# Details

The XYZ color **44.8476, 61.6732, 19.6656** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **28.3423, 18.7696, 71.2399**, and the grayscale version is **50.3380, 52.9595, 57.6729**.

A 20% lighter version of the original color is **73.2614, 90.2533, 40.7535**, and **21.2074, 31.4096, 6.6140** is the 20% darker color. If you saturate the color by 10%, you get **42.1811, 60.3967, 15.1964**, and if you desaturate by 10%, it is **47.9265, 63.1333, 25.6406**.

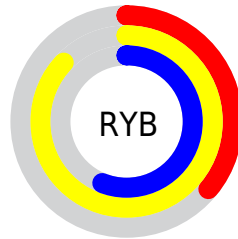
# Distribution



Red (67%)

Green (87%)

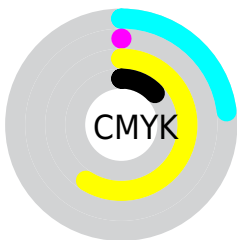
Blue (36%)



Red (36%)

Yellow (87%)

Blue (56%)

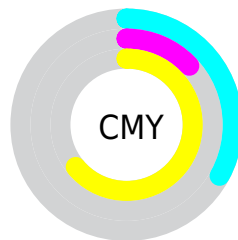


Cyan (23%)

Magenta (0%)

Yellow (59%)

Black (13%)



Cyan (33%)

Magenta (13%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8476, 61.6732, 19.6656 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 44.8476, 61.6732, 19.6656 by changing the saturation by 10% instead.



■ 44.8476, 61.6732,  
19.6656

■ 44.8476, 61.6732,  
19.6656

356.9501,  
430.7380, 262.6431

■ 31.5382, 44.7687,  
11.9705

■ 81.7301, 107.2531,  
43.7074

■ 21.1628, 31.2753,  
6.6013

■ 106.0340,  
136.6972, 60.8912

■ 13.3562, 20.8085,  
3.1394

■ 134.7333,  
171.0901, 82.0750

■ 7.7530, 12.9841,  
1.1663

■ 168.1935,  
210.8159, 107.6774

■ 3.9878, 7.4176,  
0.0000

206.7799,  
256.2593, 138.1169

■ 1.6952, 3.7246,  
0.0000

250.8579,

■ 0.4533, 1.5207,

307.8045, 173.8119

0.0000

300.7929,  
365.8359, 215.1812

■ 0.0000, 0.3033,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.8476, 61.6732,  
19.6656

■ 44.8476, 61.6732,  
19.6656

■ 42.1811, 60.3967,  
15.1964

■ 47.9265, 63.1333,  
25.6406

■ 39.8944, 59.2842,  
12.0939


■ 51.4381, 64.7792,  
33.2362


■ 37.9564, 58.3250,  
10.2000


■ 55.4066, 66.6227,  
42.5608

■ 36.3193, 57.4998,  
9.2763


■ 59.8526, 68.6725,  
53.7122


 36.0986, 57.3881,  
9.1744

 64.7955, 70.9366,  
66.7809

 70.2535, 73.4223,  
81.8513

 76.2436, 76.1369,  
99.0030

 80.3397, 78.1101,  
105.4501

 83.3795, 79.6771,  
105.5924

# Harmonies

## Analogous

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



57.4366, 61.6732, 14.6751



44.8476, 61.6732, 19.6656



37.1370, 61.6732, 36.4620

# Triad

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



44.8476, 61.6732, 19.6656



46.5940, 61.6732, 166.2641



91.2762, 61.6732, 63.8009

# Complementary

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



44.8476, 61.6732, 19.6656



28.3423, 18.7696, 71.2399

# 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.



87.1061, 61.6732, 111.5088



44.8476, 61.6732, 19.6656



59.8166, 61.6732, 183.3419

# Square

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



44.8476, 61.6732, 19.6656



38.0217, 61.6732, 119.9929



74.9541, 61.6732, 160.1044



85.5656, 61.6732, 32.6726



# Rectangle

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



44.8476, 61.6732, 19.6656



35.0143, 61.6732, 57.1402



74.9541, 61.6732, 160.1044



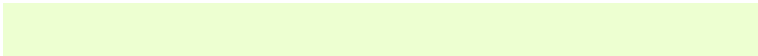
90.9832, 61.6732, 78.2690

# Sweetspot

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



44.8491, 61.6759, 19.6669



82.2032, 94.1314, 74.2231



41.7066, 35.6009, 14.7996



17.1962, 19.9647, 14.8647



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.



44.8491, 61.6759, 19.6669



57.0814, 82.3589, 19.8173



34.1385, 56.1544, 19.1657



14.3240, 15.7472, 14.5913



21.5689, 34.1517, 5.4551



1.5947, 2.4186, 0.3828



# Inverse Universe

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



28.3423, 18.7696, 71.2399



32.6182, 18.6181, 96.4822



42.6999, 26.1713, 71.9119



13.4582, 13.5042, 17.2849



10.2881, 4.3990, 41.3552



0.8116, 0.3557, 2.8711



# Previews

## White Background



This preview shows how the XYZ color 44.8476, 61.6732, 19.6656 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 44.8476, 61.6732, 19.6656 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 44.8476, 61.6732, 19.6656**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.8476, 61.6732, 19.6656.



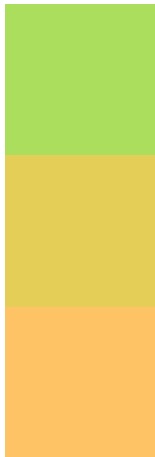
This preview shows how white text looks on a background with the XYZ color 44.8476, 61.6732,



# 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

44.8476, 61.6732, 19.6656

### Protanopia

55.7865, 61.3247, 17.9134

### Deuteranopia

62.3234, 60.8330, 20.5137



## Tritanopia

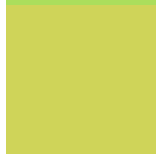
56.8855, 61.2394, 80.0564

# Trichromacy



## Original Color

44.8476, 61.6732, 19.6656



## Protanomaly

51.0788, 61.0736, 18.5474



## Deuteranomaly

54.4204, 60.2137, 20.0634



## Tritanomaly

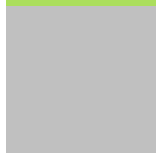
51.0215, 60.7079, 50.6237

# Monochromacy



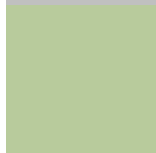
## Original Color

44.8476, 61.6732, 19.6656



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

47.1239, 55.3025, 39.6433

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.8476, 61.6732, 19.6656 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(171, 222, 92)` looks like.

```
.text, #text, p{  
    color:rgb(171, 222, 92)  
}
```

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(171, 222, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 222, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 44.8476, 61.6732, 19.6656 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(171, 222, 92) }
```



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

```
.border{ border-color:rgb(171, 222, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 222, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 222, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 222, 92);  
box-shadow:4px 4px 4px 4px rgb(171, 222,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.8476, 61.6732, 19.6656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 222, 92) }
```

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

```
.background{ background-color: rgb(171,  
222, 92) }
```

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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