

# Converting Colors

XYZ(51.8214, 67.2285, 20.3181)

Have a look what the booklet for  
XYZ(51.8214, 67.2285, 20.3181)  
contains.

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# Color

**XYZ(51.9065, 67.3130,  
20.3822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3E35C
RGB	195, 227, 92
RGB Percent	76%, 89%, 36%
CMY	0.2353, 0.1098, 0.6392
CMYK	0.14, 0.00, 0.59, 0.11
HSL	74°, 71%, 63%
HSV	74°, 59%, 89%
XYZ	51.9065, 67.3130, 20.3822
YIQ	202.0420, 24.2630, -48.7690

# Conversions

## Conversions Part 2

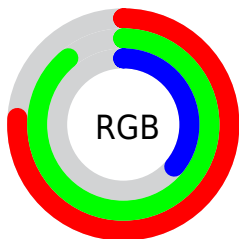
Format	Color
RYB	92, 227, 124
Decimal	12837724
CIELab	85.66, -29.50, 60.87
CIELCh	86, 67.643, 115.860
Yxy	67.3130, 0.3718, 0.4822
Android (android.graphics.Color)	4291027804 (0xFFC3E35C)
YUV	202.0420, -54.2507, -6.1758
Hunter-Lab	82.0445, -30.6476, 42.7018

# Details

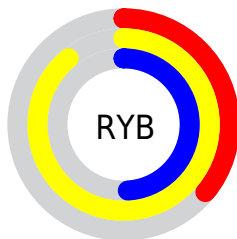
The XYZ color **51.9065, 67.3130, 20.3822** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **26.0071, 17.4872, 74.6817**, and the grayscale version is **56.4842, 59.4258, 64.7147**.

A 20% lighter version of the original color is **81.8995, 94.6974, 41.5656**, and **25.5371, 35.0297, 7.0056** is the 20% darker color. If you saturate the color by 10%, you get **49.6940, 66.2726, 15.8525**, and if you desaturate by 10%, it is **54.4695, 68.5042, 26.4825**.

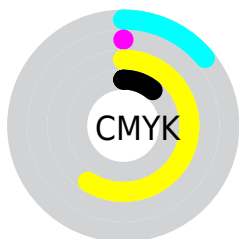
# Distribution



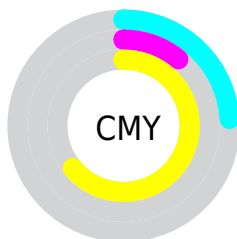
- Red (76%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (49%)



- Cyan (14%)
- Magenta (0%)
- Yellow (59%)
- Black (11%)



- Cyan (24%)
- Magenta (11%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9065, 67.3130, 20.3822 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 51.9065, 67.3130, 20.3822 by changing the saturation by 10% instead.



■ 51.9065, 67.3130,  
20.3822

■ 51.9065, 67.3130,  
20.3822

384.4054,  
451.0581, 266.6491

■ 37.1545, 49.3390,  
12.4863

■ 92.1684, 115.3688,  
44.9244

■ 25.5014, 34.8885,  
6.9493

■ 118.4090,  
146.2194, 62.4078

■ 16.5817, 23.5770,  
3.3524

■ 149.2098,  
182.1310, 83.9242

■ 10.0302, 15.0201,  
1.2773

■ 184.9363,  
223.4881, 109.8921

■ 5.4814, 8.8335,  
0.0431

225.9538,  
270.6749, 140.7299

■ 2.5700, 4.6328,  
0.0000

272.6275,

■ 0.9307, 2.0334,

324.0759, 176.8564

0.0000

325.3230,  
384.0755, 218.6899

0.0000, 0.6268,  
0.0000

0.0000, 0.0000,  
0.0000

51.9065, 67.3130,  
20.3822

51.9065, 67.3130,  
20.3822

49.6940, 66.2726,  
15.8525

54.4695, 68.5042,  
26.4825

47.7994, 65.3628,  
12.7445


57.4030, 69.8470,  
34.2760


46.1911, 64.5731,  
10.8882


60.7306, 71.3533,  
43.8780


44.8154, 63.8820,  
10.0030


64.4725, 73.0314,  
55.3926


 44.7456, 63.8468,  
9.9653

 68.6476, 74.8887,  
68.9158

 73.2733, 76.9324,  
84.5374

 78.3661, 79.1690,  
102.3417

 80.7987, 80.3478,  
105.8579

 82.6334, 81.2936,  
105.9437

# Harmonies

## Analogous

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



66.1422, 67.3130, 17.0559



51.9065, 67.3130, 20.3822



42.4560, 67.3130, 35.2397

# Triad

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



51.9065, 67.3130, 20.3822



48.7496, 67.3130, 168.3444



98.3138, 67.3130, 79.5914

# Complementary

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



51.9065, 67.3130, 20.3822



26.0071, 17.4872, 74.6817

# 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.



91.7682, 67.3130, 131.9738



51.9065, 67.3130, 20.3822



61.8635, 67.3130, 194.6813

# Square

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



51.9065, 67.3130, 20.3822



40.8492, 67.3130, 116.8825



77.7917, 67.3130, 179.2368



94.5160, 67.3130, 42.1620



# Rectangle

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



51.9065, 67.3130, 20.3822



39.3341, 67.3130, 54.4554



77.7917, 67.3130, 179.2368



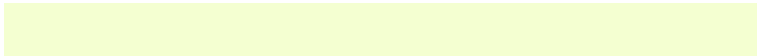
97.2253, 67.3130, 96.0382

# Sweetspot

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



51.9081, 67.3160, 20.3836



84.6302, 95.3826, 74.3367



40.7580, 31.3960, 14.0380



17.7920, 20.2718, 14.8926



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.



51.9081, 67.3160, 20.3836



64.1678, 86.0222, 19.6917



38.3053, 60.3035, 19.7470



15.2501, 16.6360, 15.3118



26.2029, 37.2896, 5.8166



2.0171, 2.7972, 0.4336



# Inverse Universe

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



26.0071, 17.4872, 74.6817



27.8146, 15.8840, 96.2077



39.1806, 24.2784, 75.2982



13.9011, 14.0512, 18.1238



9.0541, 3.7335, 42.6266



0.7504, 0.3178, 3.1538



# Previews

## White Background



This preview shows how the XYZ color 51.9065, 67.3130, 20.3822 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 51.9065, 67.3130, 20.3822 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

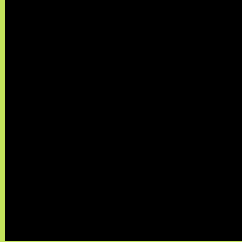
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.9065, 67.3130, 20.3822

## Background



This preview shows how black text looks on a background with the XYZ color 51.9065, 67.3130, 20.3822.



This preview shows how white text looks on a background with the XYZ color 51.9065, 67.3130,



# 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

51.9065, 67.3130, 20.3822

### Protanopia

61.0679, 66.9749, 18.9413

### Deuteranopia

67.2362, 66.5886, 31.1389



## Tritanopia

64.9411, 67.1506, 84.4015

# Trichromacy



## Original Color

51.9065, 67.3130, 20.3822

## Protanomaly

57.2589, 66.9139, 19.3490

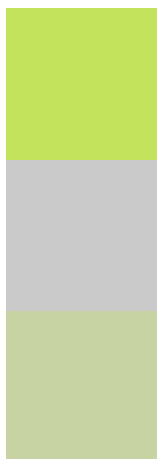
## Deuteranomaly

60.6094, 66.1965, 26.4124

## Tritanomaly

58.4865, 66.4172, 52.9173

# Monochromacy



## Original Color

51.9065, 67.3130, 20.3822

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

53.3690, 61.3393, 43.2092

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9065, 67.3130, 20.3822 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, 227, 92)` looks like.

```
.text, #text, p{  
    color:rgb(195, 227, 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(195, 227, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 227, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9065, 67.3130, 20.3822 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, 227, 92) }
```



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

```
.border{ border-color:rgb(195, 227, 92) }
```

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

Here you see how a box with a 4 pixel rgb(195, 227, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 227, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 227, 92);  
box-shadow:4px 4px 4px 4px rgb(195, 227,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9065, 67.3130, 20.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 227, 92) }
```

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

```
.background{ background-color: rgb(195,  
227, 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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