

# Converting Colors

XYZ(51.9847, 69.4370, 20.9727)

Have a look what the booklet for  
XYZ(51.9847, 69.4370, 20.9727)  
contains.

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# Color

**XYZ(52.0676, 69.4507,  
21.0170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEE85D
RGB	190, 232, 93
RGB Percent	75%, 91%, 36%
CMY	0.2549, 0.0902, 0.6353
CMYK	0.18, 0.00, 0.60, 0.09
HSL	78°, 75%, 64%
HSV	78°, 60%, 91%
XYZ	52.0676, 69.4507, 21.0170
YIQ	203.5960, 19.5870, -52.1330

# Conversions

## Conversions Part 2

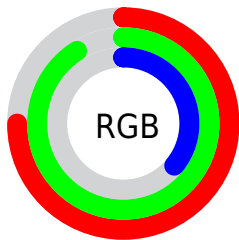
Format	Color
<a href="#">RYB</a>	<a href="#">93, 232, 135</a>
Decimal	<a href="#">12511325</a>
CIELab	<a href="#">86.73, -33.67, 61.53</a>
CIELCh	<a href="#">87, 70.141, 118.689</a>
Yxy	<a href="#">69.4507, 0.3653, 0.4873</a>
Android (android.graphics.Color)	<a href="#">4290701405 (0xFFBEE85D)</a>
YUV	<a href="#">203.5960, -54.5238, -11.9237</a>
Hunter-Lab	<a href="#">83.3371, -34.3161, 43.3835</a>

# Details

The XYZ color **52.0676, 69.4507, 21.0170** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **28.4743, 18.8077, 78.4775**, and the grayscale version is **57.4656, 60.4583, 65.8390**.

A 20% lighter version of the original color is **80.1722, 93.7979, 41.8962**, and **25.5016, 36.1586, 7.2253** is the 20% darker color. If you saturate the color by 10%, you get **49.4832, 68.2219, 16.3220**, and if you desaturate by 10%, it is **55.0513, 70.8538, 27.3601**.

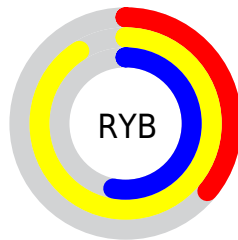
# Distribution



Red (75%)

Green (91%)

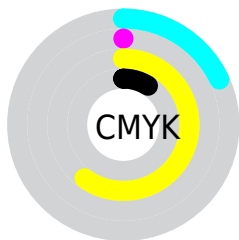
Blue (36%)



Red (36%)

Yellow (91%)

Blue (53%)

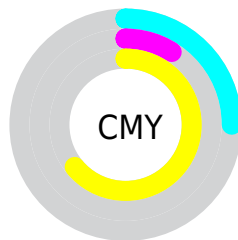


Cyan (18%)

Magenta (0%)

Yellow (60%)

Black (9%)



Cyan (25%)

Magenta (9%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0676, 69.4507, 21.0170 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 52.0676, 69.4507, 21.0170 by changing the saturation by 10% instead.





 52.0676, 69.4507,  
21.0170

 52.0676, 69.4507,  
21.0170


385.0172,  
458.6190, 270.1528

 37.2834, 51.0788,  
12.9451


 92.4046, 118.4251,  
45.9970


 25.6017, 36.2714,  
7.2604

 118.6881,  
149.7964, 63.7421

 16.6570, 24.6438,  
3.5446


 149.5354,  
186.2697, 85.5487

 10.0840, 15.8119,  
1.3790

 185.3120,  
228.2293, 111.8353

 5.5174, 9.3912,  
0.1253

226.3831,  
276.0596, 143.0205

 2.5918, 4.9972,  
0.0000

273.1141,

 0.9418, 2.2456,

330.1451, 179.5228

0.0000

325.8703,  
390.8700, 221.7607

0.0000, 0.7447,  
0.0000

0.0000, 0.0000,  
0.0000

52.0676, 69.4507,  
21.0170

52.0676, 69.4507,  
21.0170

49.4832, 68.2219,  
16.3220

55.0513, 70.8538,  
27.3601

47.2627, 67.1458,  
13.1170


58.4559, 72.4327,  
35.4816


45.3718, 66.2111,  
11.2206


62.3072, 74.2003,  
45.5036


43.7504, 65.3934,  
10.3221

66.6272, 76.1655,  
57.5363

 43.7369, 65.3866,  
10.3157

 71.4362, 78.3365,  
71.6814

 76.7534, 80.7212,  
88.0339

 82.5310, 83.3005,  
106.3365

 84.9453, 84.5452,  
106.4495

 87.4526, 85.8377,  
106.5668

# Harmonies

## Analogous

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



66.7311, 69.4507, 16.6697



52.0676, 69.4507, 21.0170



42.6732, 69.4507, 37.8808

# Triad

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



52.0676, 69.4507, 21.0170



51.0137, 69.4507, 181.2758



102.6014, 69.4507, 77.6940

# Complementary

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



52.0676, 69.4507, 21.0170



28.4743, 18.8077, 78.4775

# 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.



96.6029, 69.4507, 132.5766



52.0676, 69.4507, 21.0170



65.2958, 69.4507, 205.6909

# Square

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



52.0676, 69.4507, 21.0170



42.1389, 69.4507, 127.4678



82.2444, 69.4507, 184.9821



97.5309, 69.4507, 40.1708



# Rectangle

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



52.0676, 69.4507, 21.0170



39.7809, 69.4507, 59.3325



82.2444, 69.4507, 184.9821



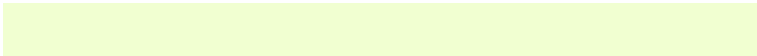
101.7970, 69.4507, 94.6448

# Sweetspot

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



52.0692, 69.4538, 21.0185



83.6007, 94.8519, 74.2886



43.8793, 35.1927, 14.8371



17.5388, 20.1413, 14.8808



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.



52.0692, 69.4538, 21.0185



60.6007, 84.1930, 19.0856



38.6919, 62.5575, 20.3924



15.1554, 16.5872, 15.3073



24.4131, 36.3669, 5.7328



1.8971, 2.7353, 0.4280



# Inverse Universe

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



28.4743, 18.8077, 78.4775



29.0638, 16.2806, 96.2184



43.4391, 26.5223, 79.1778



13.9903, 14.0972, 18.1280



9.6044, 4.0171, 42.6524



0.8013, 0.3441, 3.1561



# Previews

## White Background



This preview shows how the XYZ color 52.0676, 69.4507, 21.0170 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 52.0676, 69.4507, 21.0170 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 52.0676, 69.4507, 21.0170**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0676, 69.4507, 21.0170.



This preview shows how white text looks on a background with the XYZ color 52.0676, 69.4507,



# 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

52.0676, 69.4507, 21.0170

### Protanopia

62.8917, 69.0477, 19.4640

### Deuteranopia

68.9984, 68.8441, 35.6382



## Tritanopia

65.7989, 69.4064, 88.5261

# Trichromacy



## Original Color

52.0676, 69.4507, 21.0170

## Protanomaly

58.0909, 68.5103, 19.8350

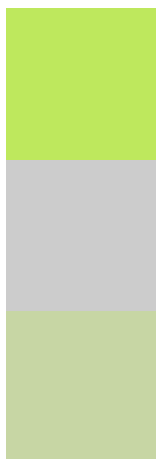
## Deuteranomaly

61.4695, 68.0953, 29.3060

## Tritanomaly

59.0223, 68.6118, 54.9323

# Monochromacy



## Original Color

52.0676, 69.4507, 21.0170

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

54.3006, 62.9156, 44.4039

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0676, 69.4507, 21.0170 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(190, 232, 93)` looks like.

```
.text, #text, p{  
    color:rgb(190, 232, 93)  
}
```

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(190, 232, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 232, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0676, 69.4507, 21.0170 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(190, 232, 93) }
```



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

```
.border{ border-color:rgb(190, 232, 93) }
```

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

Here you see how a box with a 4 pixel rgb(190, 232, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 232, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 232, 93);  
box-shadow:4px 4px 4px 4px rgb(190, 232,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0676, 69.4507, 21.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 232, 93) }
```

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

```
.background{ background-color: rgb(190,  
232, 93) }
```

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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