

# Converting Colors

XYZ(54.3128, 68.5448, 20.2156)

Have a look what the booklet for  
XYZ(54.3128, 68.5448, 20.2156)  
contains.

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# Color

**XYZ(54.2593, 68.5309,  
20.2655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE35B
RGB	204, 227, 91
RGB Percent	80%, 89%, 36%
CMY	0.2000, 0.1098, 0.6431
CMYK	0.10, 0.00, 0.60, 0.11
HSL	70°, 71%, 62%
HSV	70°, 60%, 89%
XYZ	54.2593, 68.5309, 20.2655
YIQ	204.6190, 29.9480, -47.1720

# Conversions

## Conversions Part 2

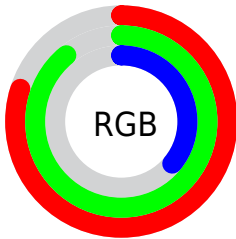
Format	Color
<a href="#">RYB</a>	<a href="#">91, 227, 114</a>
Decimal	<a href="#">13427547</a>
CIELab	<a href="#">86.27, -26.05, 62.14</a>
CIELCh	<a href="#">86, 67.378, 112.742</a>
Yxy	<a href="#">68.5309, 0.3793, 0.4791</a>
Android (android.graphics.Color)	<a href="#">4291617627 (0xFFCCE35B)</a>
YUV	<a href="#">204.6190, -56.0142, -0.5429</a>
Hunter-Lab	<a href="#">82.7834, -27.8754, 43.4341</a>

# Details

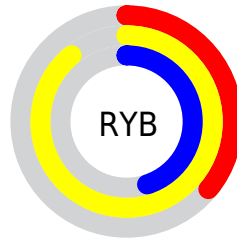
The XYZ color **54.2593, 68.5309, 20.2655** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **24.5480, 16.6073, 74.5888**, and the grayscale version is **58.1190, 61.1457, 66.5877**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **27.0597, 35.8179, 6.9262** is the 20% darker color. If you saturate the color by 10%, you get **52.3854, 67.6637, 15.8169**, and if you desaturate by 10%, it is **56.4585, 69.5361, 26.2777**.

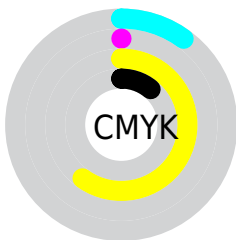
# Distribution



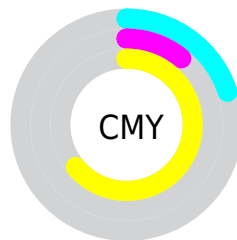
- Red (80%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)




- Cyan (20%)
- Magenta (11%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2593, 68.5309, 20.2655 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 54.2593, 68.5309, 20.2655 by changing the saturation by 10% instead.





 54.2593, 68.5309,  
20.2655


 54.2593, 68.5309,  
20.2655


393.2803,  
455.3747, 266.0004


 39.0405, 50.3298,  
12.4022


 95.6095, 117.1113,  
44.7267


 26.9721, 35.6755,  
6.8924


 122.4717,  
148.2594, 62.1616

 17.6888, 24.1837,  
3.3174


 153.9456,  
184.4919, 83.6242

 10.8251, 15.4699,  
1.2589

 190.3968,  
226.1932, 109.5329

 6.0158, 9.1499,  
0.0278

232.1905,  
273.7478, 140.3064

 2.8954, 4.8391,  
0.0000

279.6920,

 1.0987, 2.1531,

327.5399, 176.3631

0.0000

333.2668,  
387.9541, 218.1216

0.0240, 0.6943,  
0.0000

0.0000, 0.0000,  
0.0000

54.2593, 68.5309,  
20.2655

54.2593, 68.5309,  
20.2655

52.3854, 67.6637,  
15.8169

56.4585, 69.5361,  
26.2777

50.8042, 66.9141,  
12.7820


59.0026, 70.6799,  
33.9766


49.4842, 66.2719,  
10.9892

61.9150, 71.9740,  
43.4780


48.3688, 65.7145,  
10.1407


65.2159, 73.4266,  
54.8865

 48.3592, 65.7097,  
10.1344

 68.9236, 75.0450,  
68.2984

 73.0555, 76.8361,  
83.8035

 77.6277, 78.8065,  
101.4865

 79.6891, 79.7758,  
105.8059

 80.9688, 80.4355,  
105.8658

# Harmonies

## Analogous

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



68.9834, 68.5309, 17.8656



54.2593, 68.5309, 20.2655



44.1393, 68.5309, 33.8891

# Triad

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



54.2593, 68.5309, 20.2655



48.6762, 68.5309, 165.5035



99.4838, 68.5309, 85.9556

# Complementary

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



54.2593, 68.5309, 20.2655



24.5480, 16.6073, 74.5888

# 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.



91.9175, 68.5309, 139.3073



54.2593, 68.5309, 20.2655



61.4355, 68.5309, 195.6978

# Square

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



54.2593, 68.5309, 20.2655



41.2916, 68.5309, 112.8105



77.3783, 68.5309, 184.5724



96.7472, 68.5309, 46.1955



# Rectangle

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



54.2593, 68.5309, 20.2655



40.5747, 68.5309, 52.0094



77.3783, 68.5309, 184.5724



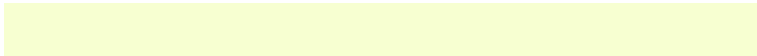
98.0250, 68.5309, 102.9814

# Sweetspot

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



54.2609, 68.5340, 20.2669



85.7219, 95.9454, 74.3878



39.5491, 29.0477, 13.4207



18.0612, 20.4106, 14.9052



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.



54.2609, 68.5340, 20.2669



67.6329, 87.8182, 19.4147



39.5674, 60.9592, 19.5793



15.3498, 16.6874, 15.3164



28.2881, 38.3645, 5.9142



2.1540, 2.8678, 0.4400



# Inverse Universe

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



24.5480, 16.6073, 74.5888



25.8602, 14.6291, 96.0685



36.8213, 22.9344, 75.1632



13.8089, 14.0037, 18.1195



8.6273, 3.5134, 42.6066



0.7055, 0.2947, 3.1517



# Previews

## White Background



This preview shows how the XYZ color 54.2593, 68.5309, 20.2655 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 54.2593, 68.5309, 20.2655 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 54.2593, 68.5309, 20.2655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.2593, 68.5309, 20.2655.



This preview shows how white text looks on a background with the XYZ color 54.2593, 68.5309,



# 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

54.2593, 68.5309, 20.2655

### Protanopia

62.2525, 68.3416, 19.1427

### Deuteranopia

68.4561, 68.2358, 33.9889



## Tritanopia

67.2906, 68.3617, 84.5115

# Trichromacy



## Original Color

54.2593, 68.5309, 20.2655

## Protanomaly

59.0749, 68.2386, 19.5090

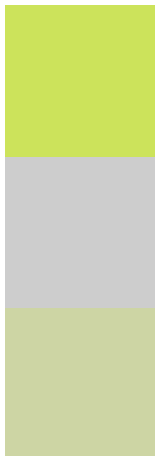
## Deuteranomaly

62.4054, 67.8389, 28.2175

## Tritanomaly

60.9396, 67.6936, 52.5021

# Monochromacy



## Original Color

54.2593, 68.5309, 20.2655

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

55.6719, 63.2480, 44.3958

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.2593, 68.5309, 20.2655 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(204, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 91)  
}
```

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(204, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 91) }
```

## Border

The CSS property to change the border of an element to XYZ 54.2593, 68.5309, 20.2655 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(204, 227, 91) }
```



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

```
.border{ border-color:rgb(204, 227, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
91) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.2593, 68.5309, 20.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 91) }
```

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

```
.background{ background-color: rgb(204,  
227, 91) }
```

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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