

Converting Colors

XYZ(52.8737, 68.2277, 15.9004)

Have a look what the booklet for
XYZ(52.8737, 68.2277, 15.9004)
contains.

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Color

**XYZ(52.8742, 68.3217,
15.8695)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E444
RGB	201, 228, 68
RGB Percent	79%, 89%, 27%
CMY	0.2118, 0.1059, 0.7333
CMYK	0.12, 0.00, 0.70, 0.11
HSL	70°, 75%, 58%
HSV	70°, 70%, 89%
XYZ	52.8742, 68.3217, 15.8695
YIQ	201.6870, 35.2680, -55.4840

Conversions

Conversions Part 2

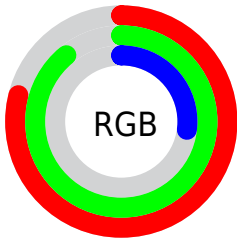
Format	Color
RYB	68, 228, 95
Decimal	13231172
CIELab	86.17, -29.16, 70.90
CIELCh	86, 76.659, 112.355
Yxy	68.3217, 0.3858, 0.4985
Android (android.graphics.Color)	4291421252 (0xFFC9E444)
YUV	201.6870, -65.9077, -0.6025
Hunter-Lab	82.6569, -30.4663, 46.4766

Details

The XYZ color **52.8742, 68.3217, 15.8695** 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 **20.7924, 12.1702, 74.6562**, and the grayscale version is **56.3280, 59.2615, 64.5357**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **26.2713, 35.7268, 5.5113** is the 20% darker color. If you saturate the color by 10%, you get **51.2881, 67.5717, 12.8429**, and if you desaturate by 10%, it is **54.7599, 69.1995, 20.3245**.

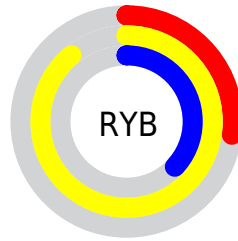
Distribution



Red (79%)

Green (89%)

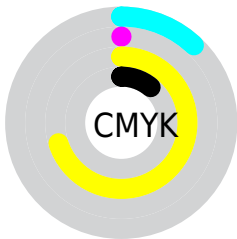
Blue (27%)



Red (27%)

Yellow (89%)

Blue (37%)

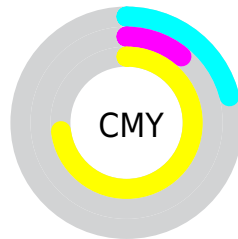


Cyan (12%)

Magenta (0%)

Yellow (70%)

Black (11%)



Cyan (21%)

Magenta (11%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8742, 68.3217, 15.8695 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 52.8742, 68.3217, 15.8695 by changing the saturation by 10% instead.

■ 52.8742, 68.3217,
15.8695

■ 52.8742, 68.3217,
15.8695

388.0711,
454.6350, 240.3898

■ 37.9294, 50.1595,
9.2785

■ 93.5858, 116.8122,
37.1351

■ 26.1049, 35.5401,
4.8240

■ 120.0834,
147.9094, 52.6469

■ 17.0352, 24.0793,
2.0874

■ 151.1627,
184.0869, 71.9692

■ 10.3551, 15.3924,
0.6083

■ 187.1889,
225.7293, 95.5208

■ 5.6991, 9.0953,
0.0000

■ 228.5275,
273.2209, 123.7201

■ 2.7019, 4.8034,
0.0000

275.5438,

■ 0.9981, 2.1324,

326.9461, 156.9857

0.0000

328.6032,
387.2893, 195.7360

0.0000, 0.6827,
0.0000

0.0000, 0.0000,
0.0000

52.8742, 68.3217,
15.8695

52.8742, 68.3217,
15.8695

51.2881, 67.5717,
12.8429

54.7599, 69.1995,
20.3245


49.9632, 66.9267,
11.0645


56.9686, 70.2070,
26.3513


48.8607, 66.3755,
10.2365


59.5267, 71.3573,
34.0806

62.4563, 72.6593,
43.6285

 65.7778, 74.1211,
55.1006

 69.5099, 75.7503,
68.5947

 73.6700, 77.5537,
84.2017

 78.2745, 79.5381,
102.0071

 80.2663, 80.4805,
105.9116

Harmonies

Analogous

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



69.5543, 68.3217, 13.6807



52.8742, 68.3217, 15.8695



41.6164, 68.3217, 29.4417

Triad

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



52.8742, 68.3217, 15.8695



46.3493, 68.3217, 180.8388



104.6814, 68.3217, 88.0732

Complementary

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



52.8742, 68.3217, 15.8695



20.7924, 12.1702, 74.6562

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.



95.6616, 68.3217, 150.8737



52.8742, 68.3217, 15.8695



60.5301, 68.3217, 218.1397

Square

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



52.8742, 68.3217, 15.8695



38.3523, 68.3217, 117.7837



78.7093, 68.3217, 205.2174



101.6219, 68.3217, 43.2271

Rectangle

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



52.8742, 68.3217, 15.8695



37.6851, 68.3217, 48.6642



78.7093, 68.3217, 205.2174



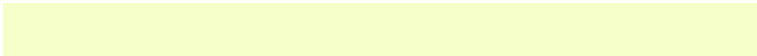
102.9124, 68.3217, 107.8840

Sweetspot

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



52.8758, 68.3248, 15.8709



84.3481, 95.3441, 69.4939



37.1031, 25.0379, 8.3470



17.7912, 20.2922, 13.9551



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.



52.8758, 68.3248, 15.8709



65.3237, 86.7148, 15.3743



36.7213, 59.9969, 15.1149



15.3503, 16.6877, 15.3164



28.3001, 38.3707, 5.9147



2.1548, 2.8682, 0.4400

Inverse Universe

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



20.7924, 12.1702, 74.6562



21.8929, 10.3680, 95.4551



33.6776, 18.8128, 75.2592



13.8084, 14.0035, 18.1195



8.6254, 3.5124, 42.6065



0.7053, 0.2946, 3.1517

Previews

White Background



This preview shows how the XYZ color 52.8742, 68.3217, 15.8695 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 52.8742, 68.3217, 15.8695 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 52.8742, 68.3217, 15.8695

Background



This preview shows how black text looks on a background with the XYZ color 52.8742, 68.3217, 15.8695.



This preview shows how white text looks on a background with the XYZ color 52.8742, 68.3217,

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

52.8742, 68.3217, 15.8695

Protanopia

61.7856, 68.1942, 14.9074

Deuteranopia

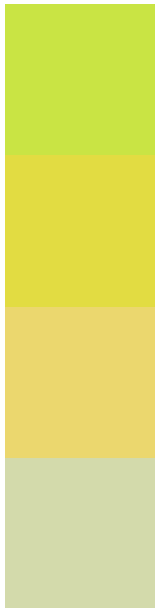
67.8559, 67.6069, 32.0273



Tritanopia

66.6924, 68.0534, 84.4835

Trichromacy



Original Color

52.8742, 68.3217, 15.8695

Protanomaly

57.9406, 67.7485, 15.1772

Deuteranomaly

61.3759, 67.3888, 24.5243

Tritanomaly

59.2861, 66.9320, 48.3225

Monochromacy



Original Color

52.8742, 68.3217, 15.8695

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.4012, 61.4450, 39.1825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8742, 68.3217, 15.8695 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(201, 228, 68)` looks like.

```
.text, #text, p{  
    color:rgb(201, 228, 68)  
}
```

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(201, 228, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 228, 68) }
```

Border

The CSS property to change the border of an element to XYZ 52.8742, 68.3217, 15.8695 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(201, 228, 68) }
```


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

```
.border{ border-color:rgb(201, 228, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 228, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 228, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 228, 68);  
box-shadow:4px 4px 4px 4px rgb(201, 228,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8742, 68.3217, 15.8695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 228, 68) }
```

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

```
.background{ background-color: rgb(201,  
228, 68) }
```

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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