

Converting Colors

XYZ(52.7553, 67.7005, 22.7809)

Have a look what the booklet for
XYZ(52.7553, 67.7005, 22.7809)
contains.

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Color

**XYZ(52.8933, 67.7678,
22.8631)**

Conversions

Conversions Part 1

Format	Color
Hex	C5E366
RGB	197, 227, 102
RGB Percent	77%, 89%, 40%
CMY	0.2275, 0.1098, 0.6000
CMYK	0.13, 0.00, 0.55, 0.11
HSL	74°, 69%, 65%
HSV	74°, 55%, 89%
XYZ	52.8933, 67.7678, 22.8631
YIQ	203.7800, 22.2450, -45.2350

Conversions

Conversions Part 2

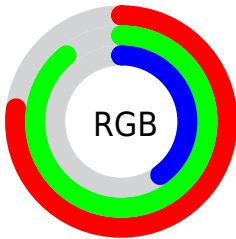
Format	Color
RYB	102, 227, 132
Decimal	12968806
CIELab	85.89, -27.91, 56.80
CIELCh	86, 63.287, 116.173
Yxy	67.7678, 0.3685, 0.4722
Android (android.graphics.Color)	4291158886 (0xFFC5E366)
YUV	203.7800, -50.1775, -5.9461
Hunter-Lab	82.3212, -29.3717, 41.1582

Details

The XYZ color **52.8933, 67.7678, 22.8631** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.1348, 19.9561, 75.0461**, and the grayscale version is **57.5541, 60.5514, 65.9405**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **26.2705, 35.3812, 8.2410** is the 20% darker color. If you saturate the color by 10%, you get **50.5175, 66.6580, 17.6588**, and if you desaturate by 10%, it is **55.6321, 69.0336, 29.6958**.

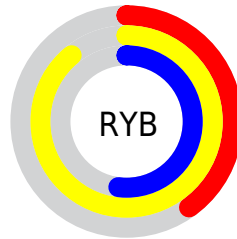
Distribution



Red (77%)

Green (89%)

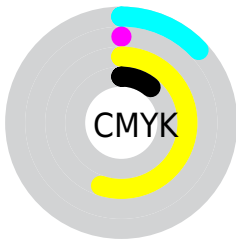
Blue (40%)



Red (40%)

Yellow (89%)

Blue (52%)

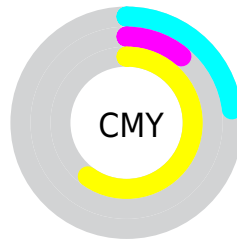


Cyan (13%)

Magenta (0%)

Yellow (55%)

Black (11%)



Cyan (23%)


Magenta (11%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8933, 67.7678, 22.8631 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 52.8933, 67.7678, 22.8631 by changing the saturation by 10% instead.


 52.8933, 67.7678,
22.8631


 52.8933, 67.7678,
22.8631


388.1432,
452.6729, 280.1202


 37.9447, 49.7089,
14.2881


 93.6138, 116.0199,
49.0888


 26.1168, 35.1821,
8.1803


 120.1164,
146.9818, 67.5765

 17.0442, 23.8032,
4.1211


 151.2011,
183.0136, 90.2057

 10.3615, 15.1877,
1.6920

 187.2333,
224.4995, 117.3946

 5.7034, 8.9512,
0.3553

228.5782,
271.8240, 149.5620

 2.7045, 4.7094,
0.0000

275.6013,

 0.9995, 2.0778,

325.3715, 187.1264

0.0000

328.6678,
385.5263, 230.5063

0.0000, 0.6521,
0.0000

0.0000, 0.0000,
0.0000

52.8933, 67.7678,
22.8631

52.8933, 67.7678,
22.8631

50.5175, 66.6580,
17.6588

55.6321, 69.0336,
29.6958

48.4736, 65.6845,
13.9426


58.7526, 70.4556,
38.2733


46.7325, 64.8379,
11.5579


62.2776, 72.0455,
48.7062


45.2570, 64.1033,
10.3106

66.2267, 73.8112,
61.0951

 44.5970, 63.7702,
9.9584

 70.6181, 75.7601,
75.5328

 75.4688, 77.8989,
92.1068

 79.8289, 79.8478,
105.8125

 81.6573, 80.7903,
105.8980

 83.5413, 81.7616,
105.9862

Harmonies

Analogous

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



66.2878, 67.7678, 19.3926



52.8933, 67.7678, 22.8631



43.9380, 67.7678, 37.7012

Triad

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



52.8933, 67.7678, 22.8631



50.1202, 67.7678, 161.8394



96.3809, 67.7678, 79.2397

Complementary

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



52.8933, 67.7678, 22.8631



28.1348, 19.9561, 75.0461

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.



90.4227, 67.7678, 127.6809



52.8933, 67.7678, 22.8631



62.5704, 67.7678, 185.3858

Square

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



52.8933, 67.7678, 22.8631



42.5134, 67.7678, 114.8480



77.4905, 67.7678, 170.9926



92.7730, 67.7678, 43.9060

Rectangle

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



52.8933, 67.7678, 22.8631



40.9796, 67.7678, 56.3222



77.4905, 67.7678, 170.9926



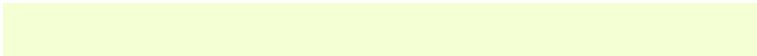
95.4097, 67.7678, 94.5350

Sweetspot

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



52.8949, 67.7708, 22.8645



85.1143, 95.5954, 76.0219



42.2180, 33.5697, 16.8258



17.9908, 20.3599, 15.5520



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.



52.8949, 67.7708, 22.8645



65.3753, 86.5899, 22.2206



39.9151, 61.0795, 22.2571



15.2458, 16.6338, 15.3116



26.1170, 37.2453, 5.8126



2.0114, 2.7943, 0.4333

Inverse Universe

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



28.1348, 19.9561, 75.0461



30.2011, 18.5076, 96.5883



40.7816, 26.4757, 75.6379



13.9052, 14.0533, 18.1240



9.0761, 3.7448, 42.6276



0.7526, 0.3189, 3.1539

Previews

White Background



This preview shows how the XYZ color 52.8933, 67.7678, 22.8631 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 52.8933, 67.7678, 22.8631 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 52.8933, 67.7678, 22.8631

Background



This preview shows how black text looks on a background with the XYZ color 52.8933, 67.7678, 22.8631.



This preview shows how white text looks on a background with the XYZ color 52.8933, 67.7678, 22.8631.

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

52.8933, 67.7678, 22.8631

Protanopia

61.7649, 67.6599, 21.3596

Deuteranopia

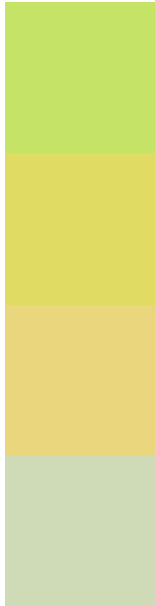
67.7552, 67.1802, 32.6885



Tritanopia

65.2286, 67.2987, 84.4149

Trichromacy



Original Color

52.8933, 67.7678, 22.8631

Protanomaly

58.0151, 67.2519, 21.7276

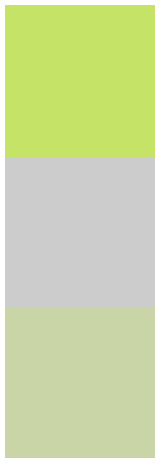
Deuteranomaly

61.6163, 67.0408, 28.7614

Tritanomaly

59.3508, 66.8271, 54.5705

Monochromacy



Original Color

52.8933, 67.7678, 22.8631

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

54.6059, 62.2945, 45.7052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8933, 67.7678, 22.8631 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(197, 227, 102)` looks like.

```
.text, #text, p{  
    color:rgb(197, 227, 102)  
}
```

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(197, 227, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 227, 102) }
```

Border

The CSS property to change the border of an element to XYZ 52.8933, 67.7678, 22.8631 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(197, 227, 102) }
```


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

```
.border{ border-color:rgb(197, 227, 102) }
```

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

Here you see how a box with a 4 pixel rgb(197, 227, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 227, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 227, 102);  
box-shadow:4px 4px 4px 4px rgb(197, 227,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8933, 67.7678, 22.8631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 227, 102) }
```

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

```
.background{ background-color: rgb(197,  
227, 102) }
```

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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