

Converting Colors

XYZ(38.2244, 58.2799, 18.5502)

Have a look what the booklet for
XYZ(38.2244, 58.2799, 18.5502)
contains.

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Color

**XYZ(38.1993, 58.2655,
18.4656)**

Conversions

Conversions Part 1

Format	Color
Hex	89DE58
RGB	137, 222, 88
RGB Percent	54%, 87%, 35%
CMY	0.4627, 0.1294, 0.6549
CMYK	0.38, 0.00, 0.60, 0.13
HSL	98°, 67%, 61%
HSV	98°, 60%, 87%
XYZ	38.1993, 58.2655, 18.4656
YIQ	181.3090, -7.6460, -59.6940

Conversions

Conversions Part 2

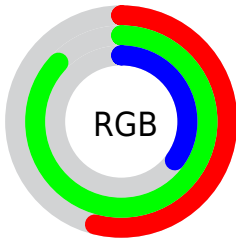
Format	Color
RYB	88, 222, 173
Decimal	9035352
CIELab	80.89, -48.63, 56.34
CIELCh	81, 74.424, 130.797
Yxy	58.2655, 0.3324, 0.5070
Android (android.graphics.Color)	4287225432 (0xFF89DE58)
YUV	181.3090, -46.0013, -38.8590
Hunter-Lab	76.3318, -44.2527, 39.0893

Details

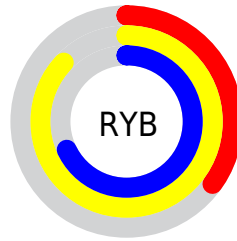
The XYZ color **38.1993, 58.2655, 18.4656** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **33.9109, 21.1395, 71.4035**, and the grayscale version is **44.3341, 46.6429, 50.7941**.

A 20% lighter version of the original color is **63.1482, 85.0751, 38.6841**, and **17.1918, 29.0768, 6.0026** is the 20% darker color. If you saturate the color by 10%, you get **35.2566, 56.8409, 14.2371**, and if you desaturate by 10%, it is **41.7261, 59.9625, 24.1850**.

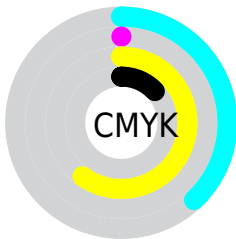
Distribution



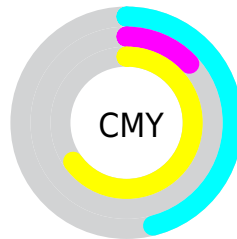
- Red (54%)
- Green (87%)
- Blue (35%)



- Red (35%)
- Yellow (87%)
- Blue (68%)



- Cyan (38%)
- Magenta (0%)
- Yellow (60%)
- Black (13%)





- Cyan (46%)
- Magenta (13%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1993, 58.2655, 18.4656 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 38.1993, 58.2655, 18.4656 by changing the saturation by 10% instead.


 38.1993, 58.2655,
18.4656


 38.1993, 58.2655,
18.4656


329.7402,
418.1745, 255.8061

 26.3153, 42.0221,
11.1119


 71.7154, 102.3094,
41.6537


 17.1936, 29.1186,
6.0270


 94.0783, 130.8787,
58.3252

 10.4688, 19.1706,
2.7925


 120.6649,
164.3254, 78.9397

 5.7755, 11.7936,
0.9897

 151.8405,
203.0340, 103.9157

 2.7484, 6.6033,
0.0000

187.9704,
247.3888, 133.6718

 1.0222, 3.2153,
0.0000

229.4201,

 0.0000, 1.2451,

297.7742, 168.6266

0.0000

276.5550,
354.5747, 209.1985

■ 0.0000, 0.0981,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1993, 58.2655,
18.4656

■ 38.1993, 58.2655,
18.4656

■ 35.2566, 56.8409,
14.2371

■ 41.7261, 59.9625,
24.1850

■ 32.8560, 55.6646,
11.3566


■ 45.8668, 61.9392,
31.5134


■ 30.9551, 54.7202,
9.6598


■ 50.6539, 64.2117,
40.5613


■ 29.5308, 54.0020,
8.8670


■ 56.1161, 66.7928,
51.4283

 62.2804, 69.6941,
64.2065

 69.1720, 72.9270,
78.9817

 76.8150, 76.5020,
95.8346

 83.4767, 79.7270,
105.5969

 85.4125, 80.7250,
105.6875

Harmonies

Analogous

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



50.0161, 58.2655, 11.2825



38.1993, 58.2655, 18.4656



31.8606, 58.2655, 39.4385

Triad

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



38.1993, 58.2655, 18.4656



46.2009, 58.2655, 181.9360



89.8520, 58.2655, 48.8450

Complementary

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



38.1993, 58.2655, 18.4656



33.9109, 21.1395, 71.4035

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.



88.3100, 58.2655, 95.6179



38.1993, 58.2655, 18.4656



61.1135, 58.2655, 188.5064

Square

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



38.1993, 58.2655, 18.4656



35.8535, 58.2655, 136.5387



77.0652, 58.2655, 151.7182



80.9536, 58.2655, 22.6005

Rectangle

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



38.1993, 58.2655, 18.4656



30.7366, 58.2655, 64.6286



77.0652, 58.2655, 151.7182



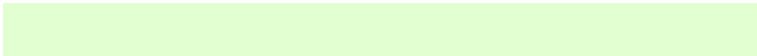
90.5737, 58.2655, 62.2685

Sweetspot

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



38.2007, 58.2680, 18.4669



78.6084, 92.2782, 74.0549



46.8061, 46.0727, 15.6594



16.3217, 19.5139, 14.8238



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.



38.2007, 58.2680, 18.4669



47.4797, 77.4288, 18.4716



32.7422, 55.3578, 22.5599



13.9996, 15.5800, 14.5762



17.6517, 32.1323, 5.2718



1.3196, 2.2768, 0.3699

Inverse Universe

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



33.9109, 21.1395, 71.4035



41.0353, 22.4521, 96.7786



44.5313, 26.8767, 60.0541



13.7837, 13.6721, 17.3002



14.4648, 6.5522, 41.5507



1.1000, 0.5043, 2.8846

Previews

White Background



This preview shows how the XYZ color 38.1993, 58.2655, 18.4656 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 38.1993, 58.2655, 18.4656 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 38.1993, 58.2655, 18.4656

Background



This preview shows how black text looks on a background with the XYZ color 38.1993, 58.2655, 18.4656.



This preview shows how white text looks on a background with the XYZ color 38.1993, 58.2655,

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

38.1993, 58.2655, 18.4656

Protanopia

52.3015, 57.4473, 16.3145

Deuteranopia

58.5772, 57.2828, 19.2786



Tritanopia

50.4446, 57.9189, 79.7549

Trichromacy



Original Color

38.1993, 58.2655, 18.4656



Protanomaly

45.6420, 56.8282, 16.9509



Deuteranomaly

48.5945, 56.1710, 18.8706



Tritanomaly

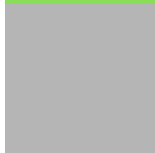
44.2946, 57.2630, 49.2757

Monochromacy



Original Color

38.1993, 58.2655, 18.4656



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.5234, 49.5858, 35.0390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1993, 58.2655, 18.4656 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(137, 222, 88)` looks like.

```
.text, #text, p{  
    color:rgb(137, 222, 88)  
}
```

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(137, 222, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 222, 88) }
```

Border

The CSS property to change the border of an element to XYZ 38.1993, 58.2655, 18.4656 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(137, 222, 88) }
```


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

```
.border{ border-color:rgb(137, 222, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 222, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 222, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 222, 88);  
box-shadow:4px 4px 4px 4px rgb(137, 222,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1993, 58.2655, 18.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 222, 88) }
```

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

```
.background{ background-color: rgb(137,  
222, 88) }
```

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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