

Converting Colors

XYZ(34.3944, 58.2902, 19.3359)

Have a look what the booklet for
XYZ(34.3944, 58.2902, 19.3359)
contains.

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Color

**XYZ(34.3944, 58.2902,
19.3359)**

Conversions

Conversions Part 1

Format	Color
Hex	62E35B
RGB	98, 227, 91
RGB Percent	38%, 89%, 36%
CMY	0.6157, 0.1098, 0.6431
CMYK	0.57, 0.00, 0.60, 0.11
HSL	117°, 71%, 62%
HSV	117°, 60%, 89%
XYZ	34.3944, 58.2902, 19.3359
YIQ	172.9250, -33.2280, -69.6440

Conversions

Conversions Part 2

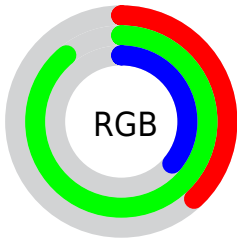
Format	Color
RYB	91, 227, 220
Decimal	6480731
CIELab	80.90, -61.37, 54.65
CIELCh	81, 82.176, 138.313
Yxy	58.2902, 0.3070, 0.5204
Android (android.graphics.Color)	4284670811 (0xFF62E35B)
YUV	172.9250, -40.3890, -65.7092
Hunter-Lab	76.3480, -53.1957, 38.4278

Details

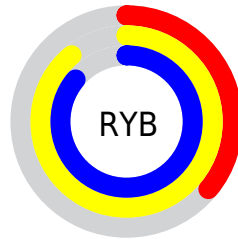
The XYZ color **34.3944, 58.2902, 19.3359** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **47.1249, 28.2461, 75.6445**, and the grayscale version is **39.8951, 41.9727, 45.7083**.

A 20% lighter version of the original color is **55.1689, 80.9353, 39.5024**, and **14.9093, 28.9900, 6.3999** is the 20% darker color. If you saturate the color by 10%, you get **31.5407, 56.9174, 14.8413**, and if you desaturate by 10%, it is **38.1718, 60.1085, 25.4218**.

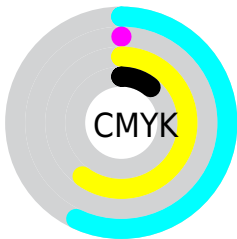
Distribution



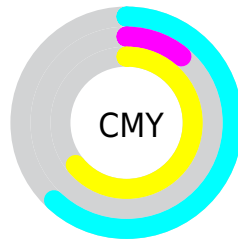
- Red (38%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (86%)



- Cyan (57%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)





- Cyan (62%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3944, 58.2902, 19.3359 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 34.3944, 58.2902, 19.3359 by changing the saturation by 10% instead.


 34.3944, 58.2902,
19.3359


 34.3944, 58.2902,
19.3359


313.4422,
418.2664, 260.7811

 23.3611, 42.0420,
11.7340


 65.8868, 102.3453,
43.1452


 14.9825, 29.1342,
6.4425


 87.0765, 130.9211,
60.1896

 8.8933, 19.1823,
3.0428


 112.3824,
164.3747, 81.2186

 4.7282, 11.8021,
1.1166

 142.1699,
203.0908, 106.6507

 2.1218, 6.6091,
0.0000

176.8042,
247.4536, 136.9045

 0.7010, 3.2188,
0.0000

216.6508,

 0.0000, 1.2470,

297.8475, 172.3984

0.0000

262.0750,
354.6570, 213.5511

■ 0.0000, 0.0996,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3944, 58.2902,
19.3359

■ 34.3944, 58.2902,
19.3359

■ 31.5407, 56.9174,
14.8413

■ 38.1718, 60.1085,
25.4218

■ 29.5276, 55.9451,
11.7862


■ 42.9387, 62.3981,
33.2247


■ 28.2641, 55.3320,
9.9960


■ 48.7595, 65.1916,
42.8622


■ 27.6212, 55.0182,
9.1696

■ 55.6923, 68.5165,
54.4405

 27.6174, 55.0164,
9.1636

 63.7905, 72.3982,
68.0577

 73.1045, 76.8609,
83.8053

 83.6814, 81.9268,
101.7691

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



45.7500, 58.2902, 9.6125



34.3944, 58.2902, 19.3359



29.1533, 58.2902, 46.3248

Triad

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



34.3944, 58.2902, 19.3359



49.0396, 58.2902, 206.4495



92.6080, 58.2902, 38.3545

Complementary

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



34.3944, 58.2902, 19.3359



47.1249, 28.2461, 75.6445

Split Complementary

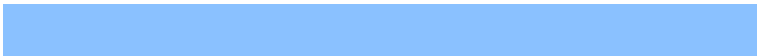
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9928, 58.2902, 84.3916



34.3944, 58.2902, 19.3359



66.3266, 58.2902, 200.3592

Square

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



34.3944, 58.2902, 19.3359



36.3764, 58.2902, 162.2450



83.5882, 58.2902, 148.3502



80.1212, 58.2902, 16.0730

Rectangle

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



34.3944, 58.2902, 19.3359



28.9360, 58.2902, 77.9950



83.5882, 58.2902, 148.3502



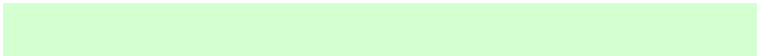
94.4691, 58.2902, 50.8672

Sweetspot

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



34.3958, 58.2926, 19.3372



74.2773, 90.0455, 73.8522



58.6237, 67.1975, 19.7791



15.2827, 18.9782, 14.7752



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.



34.3958, 58.2926, 19.3372



40.2903, 73.7226, 18.1351



37.2851, 59.3649, 38.3212



14.2576, 16.1243, 15.2653



16.1350, 32.0994, 5.3454



1.2167, 2.3846, 0.3961

Inverse Universe

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



47.1249, 28.2461, 75.6445



58.1790, 31.2900, 97.5809



42.4959, 26.6443, 39.9835



14.9180, 14.5755, 18.1714



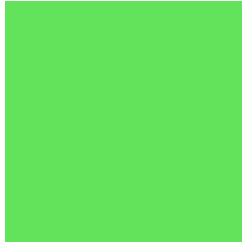
24.5166, 11.7047, 43.3502



1.8343, 0.8766, 3.2045

Previews

White Background



This preview shows how the XYZ color 34.3944, 58.2902, 19.3359 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 34.3944, 58.2902, 19.3359 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 34.3944, 58.2902, 19.3359

Background



This preview shows how black text looks on a background with the XYZ color 34.3944, 58.2902, 19.3359.

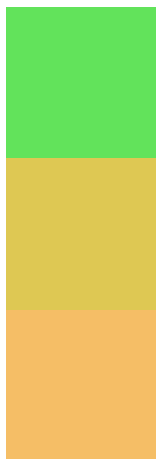


This preview shows how white text looks on a background with the XYZ color 34.3944, 58.2902,

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

34.3944, 58.2902, 19.3359

Protanopia

52.3398, 57.4627, 16.5164

Deuteranopia

58.4679, 57.1987, 20.5292



Tritanopia

47.1304, 57.9688, 83.5680

Trichromacy



Original Color

34.3944, 58.2902, 19.3359



Protanomaly

42.8578, 56.1122, 17.3760



Deuteranomaly

45.2988, 54.8002, 19.7453



Tritanomaly

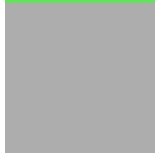
40.6793, 57.2490, 51.5540

Monochromacy



Original Color

34.3944, 58.2902, 19.3359



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.8819, 46.2341, 33.0195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3944, 58.2902, 19.3359 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(98, 227, 91)` looks like.

```
.text, #text, p{  
    color:rgb(98, 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(98, 227, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 34.3944, 58.2902, 19.3359 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(98, 227, 91) }
```


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

```
.border{ border-color:rgb(98, 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(98, 227, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(98, 227,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3944, 58.2902, 19.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 227, 91) }
```

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

```
.background{ background-color: rgb(98, 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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