

Converting Colors

XYZ(33.9782, 58.8690, 15.2633)

Have a look what the booklet for
XYZ(33.9782, 58.8690, 15.2633)
contains.

XYZ(34.0233, 59.0097, 15.2270)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.0233, 59.0097,
15.2270)**

Conversions

Conversions Part 1

Format	Color
Hex	61E545
RGB	97, 229, 69
RGB Percent	38%, 90%, 27%
CMY	0.6196, 0.1019, 0.7294
CMYK	0.58, 0.00, 0.70, 0.10
HSL	110°, 75%, 58%
HSV	110°, 70%, 90%
XYZ	34.0233, 59.0097, 15.2270
YIQ	171.2920, -27.3120, -77.7440

Conversions

Conversions Part 2

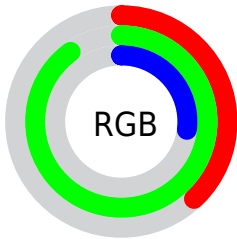
Format	Color
RYB	69, 229, 201
Decimal	6415685
CIELab	81.30, -64.37, 63.94
CIELCh	81, 90.727, 135.190
Yxy	59.0097, 0.3143, 0.5451
Android (android.graphics.Color)	4284605765 (0xFF61E545)
YUV	171.2920, -50.4300, -65.1541
Hunter-Lab	76.8178, -55.3718, 42.0198

Details

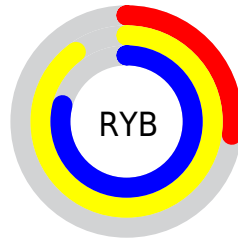
The XYZ color **34.0233, 59.0097, 15.2270** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **40.3618, 22.3331, 76.3153**, and the grayscale version is **39.1128, 41.1497, 44.8120**.

A 20% lighter version of the original color is **53.7597, 80.3716, 32.0819**, and **14.8026, 29.5309, 4.9199** is the 20% darker color. If you saturate the color by 10%, you get **31.6664, 57.8633, 12.0954**, and if you desaturate by 10%, it is **37.1366, 60.5178, 19.8275**.

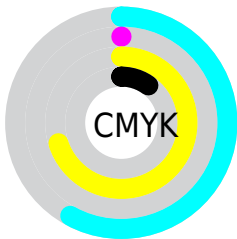
Distribution



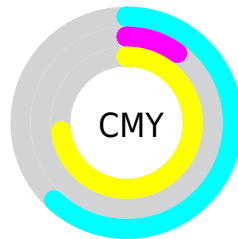
- Red (38%)
- Green (90%)
- Blue (27%)



- Red (27%)
- Yellow (90%)
- Blue (79%)



- Cyan (58%)
- Magenta (0%)
- Yellow (70%)
- Black (10%)





- Cyan (62%)
- Magenta (10%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0233, 59.0097, 15.2270 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 34.0233, 59.0097, 15.2270 by changing the saturation by 10% instead.


 34.0233, 59.0097,
15.2270


 34.0233, 59.0097,
15.2270


311.8200,
420.9379, 236.4240


 23.0745, 42.6209,
8.8305


 65.3139, 103.3918,
35.9988


 14.7695, 29.5878,
4.5355


 86.3865, 132.1538,
51.2112


 8.7430, 19.5259,
1.9235


 111.5643,
165.8091, 70.1993

 4.6297, 12.0509,
0.5076

 141.2127,
204.7421, 93.3816

 2.0642, 6.7784,
0.0000

 175.6972,
249.3370, 121.1767

 0.6696, 3.3239,
0.0000

215.3830,

 0.0000, 1.3031,

299.9784, 154.0031

0.0000

260.6355,
357.0505, 192.2794

■ 0.0000, 0.1436,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.0233, 59.0097,
15.2270

■ 34.0233, 59.0097,
15.2270

■ 31.6664, 57.8633,
12.0954

■ 37.1366, 60.5178,
19.8275

■ 29.9935, 57.0401,
10.2504


■ 41.0614, 62.4077,
26.0430


■ 28.9097, 56.4993,
9.3905


■ 45.8526, 64.7063,
34.0065


■ 28.8983, 56.4935,
9.3812


■ 51.5586, 67.4362,
43.8359

 58.2245, 70.6183,
55.6392

 65.8922, 74.2719,
69.5158

 74.6011, 78.4155,
85.5586

 84.3885, 83.0662,
103.8548

 87.3105, 84.5210,
106.3202

Harmonies

Analogous

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



47.0797, 59.0097, 7.0197



34.0233, 59.0097, 15.2270



27.7426, 59.0097, 41.1178

Triad

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



34.0233, 59.0097, 15.2270



47.2873, 59.0097, 226.9200



99.0606, 59.0097, 40.6244

Complementary

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



34.0233, 59.0097, 15.2270



40.3618, 22.3331, 76.3153

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.



99.1518, 59.0097, 94.7534



34.0233, 59.0097, 15.2270



66.1754, 59.0097, 226.5057

Square

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



34.0233, 59.0097, 15.2270



34.1456, 59.0097, 170.2177



86.0775, 59.0097, 169.2846



85.8509, 59.0097, 15.0408

Rectangle

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



34.0233, 59.0097, 15.2270



27.0848, 59.0097, 74.1502



86.0775, 59.0097, 169.2846



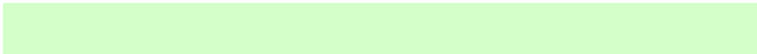
100.7098, 59.0097, 55.2755

Sweetspot

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



34.0247, 59.0122, 15.2283



73.1680, 89.5805, 68.9707



53.9670, 58.2449, 14.0291



15.1377, 18.9242, 13.8309



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.



34.0247, 59.0122, 15.2283



39.3215, 73.3102, 14.1574



33.8454, 58.6545, 27.2027



14.4232, 16.2097, 15.2731



16.5922, 32.3351, 5.3668



1.2955, 2.4252, 0.3998

Inverse Universe

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



40.3618, 22.3331, 76.3153



47.6065, 23.6238, 96.6584



42.5128, 24.1436, 44.7171



14.7347, 14.4810, 18.1628



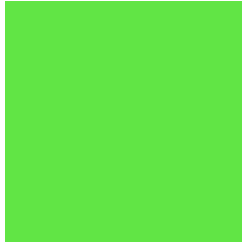
20.1669, 9.4623, 43.1467



1.5555, 0.7329, 3.1914

Previews

White Background



This preview shows how the XYZ color 34.0233, 59.0097, 15.2270 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 34.0233, 59.0097, 15.2270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

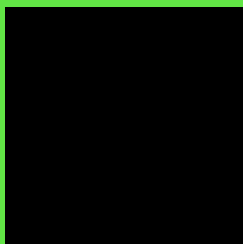
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0233, 59.0097, 15.2270

Background



This preview shows how black text looks on a background with the XYZ color 34.0233, 59.0097, 15.2270.



This preview shows how white text looks on a background with the XYZ color 34.0233, 59.0097,

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

34.0233, 59.0097, 15.2270

Protanopia

52.4966, 57.9684, 12.9796

Deuteranopia

59.0417, 57.5912, 16.1880



Tritanopia

47.8304, 58.6880, 84.4083

Trichromacy



Original Color

34.0233, 59.0097, 15.2270



Protanomaly

42.6085, 56.4352, 13.6484



Deuteranomaly

45.2161, 55.2051, 15.4802



Tritanomaly

40.3857, 57.5635, 48.0121

Monochromacy



Original Color

34.0233, 59.0097, 15.2270



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.6543, 45.3498, 29.4812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0233, 59.0097, 15.2270 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(97, 229, 69)` looks like.

```
.text, #text, p{  
    color:rgb(97, 229, 69)  
}
```

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(97, 229, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 229, 69) }
```

Border

The CSS property to change the border of an element to XYZ 34.0233, 59.0097, 15.2270 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(97, 229, 69) }
```


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

```
.border{ border-color:rgb(97, 229, 69) }
```

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

Here you see how a box with a 4 pixel rgb(97, 229, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 229, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 229, 69);  
box-shadow:4px 4px 4px 4px rgb(97, 229,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0233, 59.0097, 15.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 229, 69) }
```

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

```
.background{ background-color: rgb(97, 229,  
69) }
```

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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