

Converting Colors

XYZ(37.0212, 59.2405, 37.1110)

Have a look what the booklet for
XYZ(37.0212, 59.2405, 37.1110)
contains.

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Color

**XYZ(37.0499, 59.2689,
37.0911)**

Conversions

Conversions Part 1

Format	Color
Hex	5BE393
RGB	91, 227, 147
RGB Percent	36%, 89%, 58%
CMY	0.6431, 0.1098, 0.4235
CMYK	0.60, 0.00, 0.35, 0.11
HSL	145°, 71%, 62%
HSV	145°, 60%, 89%
XYZ	37.0499, 59.2689, 37.0911
YIQ	177.2160, -55.3760, -53.7120

Conversions

Conversions Part 2

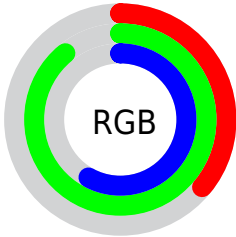
Format	Color
RYB	91, 187, 227
Decimal	6022035
CIELab	81.44, -54.75, 28.32
CIELCh	81, 61.640, 152.650
Yxy	59.2689, 0.2777, 0.4443
Android (android.graphics.Color)	4284212115 (0xFF5BE393)
YUV	177.2160, -14.8965, -75.6114
Hunter-Lab	76.9863, -48.8223, 25.3252

Details

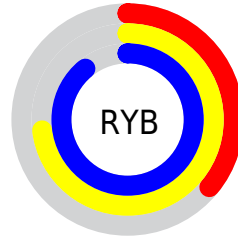
The XYZ color **37.0499, 59.2689, 37.0911** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **42.7721, 26.7545, 41.4397**, and the grayscale version is **42.0015, 44.1888, 48.1216**.

A 20% lighter version of the original color is **59.2515, 82.4124, 68.0427**, and **16.4860, 29.5940, 15.9096** is the 20% darker color. If you saturate the color by 10%, you get **34.1538, 57.8917, 31.8003**, and if you desaturate by 10%, it is **40.7473, 61.0484, 43.0570**.

Distribution



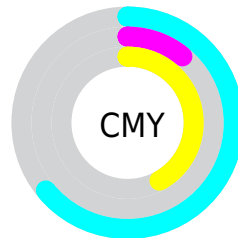
- Red (36%)
- Green (89%)
- Blue (58%)



- Red (36%)
- Yellow (73%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (11%)





- Cyan (64%)
- Magenta (11%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0499, 59.2689, 37.0911 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 37.0499, 59.2689, 37.0911 by changing the saturation by 10% instead.

 37.0499, 59.2689,
37.0911


 37.0499, 59.2689,
37.0911


324.8783,
421.8977, 348.8853


 25.4200, 42.8296,
24.9817


 69.9629, 103.7684,
71.9008

 16.5206, 29.7515,
15.8445


 91.9766, 132.5974,
95.4381

 9.9865, 19.6500,
9.2610


 118.1823,
166.3251, 123.6218

 5.4522, 12.1409,
4.8127

 148.9454,
205.3358, 156.8705

 2.5524, 6.8397,
2.0810

184.6312,
250.0141, 195.6027

 0.9218, 3.3621,
0.6044

225.6050,

 0.0000, 1.3235,

300.7442, 240.2368

0.0000

272.2323,
357.9106, 291.1915

■ 0.0000, 0.1593,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0499, 59.2689,
37.0911

■ 37.0499, 59.2689,
37.0911

■ 34.1538, 57.8917,
31.8003

■ 40.7473, 61.0484,
43.0570

■ 31.9872, 56.8753,
27.1557


■ 45.3007, 63.2531,
49.7173


■ 30.4721, 56.1817,
23.1322


■ 50.7651, 65.9124,
57.0954

■ 29.4747, 55.7425,
19.6992

■ 57.1892, 69.0512,
65.2125


 29.4669, 55.7391,
19.6714

 64.6185, 72.6923,
74.0888

 73.0953, 76.8574,
83.7437

 82.6593, 81.5664,
94.1960

 86.5721, 83.3452,
105.1464

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



43.9835, 59.2689, 21.2987



37.0499, 59.2689, 37.0911



35.0117, 59.2689, 67.8741

Triad

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



37.0499, 59.2689, 37.0911



57.4879, 59.2689, 164.6764



79.9039, 59.2689, 33.2960

Complementary

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



37.0499, 59.2689, 37.0911



42.7721, 26.7545, 41.4397

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.



84.9197, 59.2689, 61.3048



37.0499, 59.2689, 37.0911



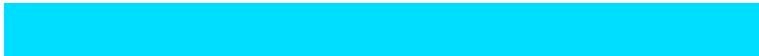
70.8022, 59.2689, 144.7226

Square

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



37.0499, 59.2689, 37.0911



45.6893, 59.2689, 150.4229



81.3604, 59.2689, 102.9786



68.5140, 59.2689, 19.7683

Rectangle

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



37.0499, 59.2689, 37.0911



36.4036, 59.2689, 95.9364



81.3604, 59.2689, 102.9786



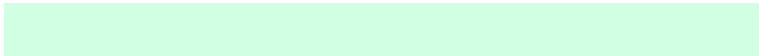
82.4637, 59.2689, 40.8616

Sweetspot

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



37.0514, 59.2713, 37.0925



76.0864, 90.6913, 86.8937



46.5046, 64.5348, 19.9034



15.7182, 19.1340, 17.9037



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.



37.0514, 59.2713, 37.0925



43.6544, 74.9813, 39.7755



43.8464, 61.9893, 72.8741



14.4342, 16.1871, 16.5510



17.2393, 32.5278, 11.7604



1.3192, 2.4218, 1.1074

Inverse Universe

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



42.7721, 26.7545, 41.4397



51.6960, 29.0884, 45.7505



37.9505, 24.8258, 16.0493



14.7309, 14.5095, 16.7832



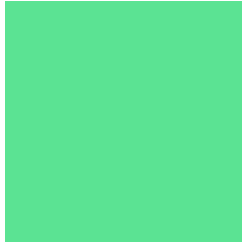
21.0249, 10.5442, 14.2919



1.5996, 0.7975, 1.2979

Previews

White Background



This preview shows how the XYZ color 37.0499, 59.2689, 37.0911 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 37.0499, 59.2689, 37.0911 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 37.0499, 59.2689, 37.0911

Background



This preview shows how black text looks on a background with the XYZ color 37.0499, 59.2689, 37.0911.

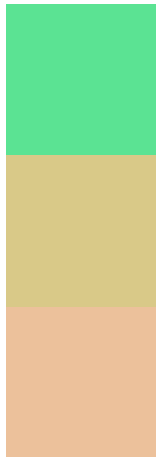


This preview shows how white text looks on a background with the XYZ color 37.0499, 59.2689,

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

37.0499, 59.2689, 37.0911

Protanopia

53.9458, 58.3026, 31.7028

Deuteranopia

59.5784, 58.3394, 39.1308



Tritanopia

46.7433, 58.8342, 86.7344

Trichromacy



Original Color

37.0499, 59.2689, 37.0911



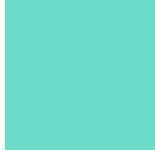
Protanomaly

44.5748, 56.6446, 33.3951



Deuteranomaly

47.0273, 55.9969, 38.0357



Tritanomaly

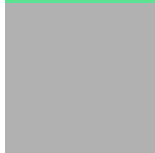
42.4382, 58.6388, 64.9588

Monochromacy



Original Color

37.0499, 59.2689, 37.0911



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.2521, 47.8944, 43.3048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0499, 59.2689, 37.0911 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(91, 227, 147)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 147)  
}
```

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(91, 227, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 147) }
```

Border

The CSS property to change the border of an element to XYZ 37.0499, 59.2689, 37.0911 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(91, 227, 147) }
```


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

```
.border{ border-color:rgb(91, 227, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 227, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 147);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0499, 59.2689, 37.0911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 147) }
```

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

```
.background{ background-color: rgb(91, 227,  
147) }
```

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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