

Converting Colors

XYZ(36.3180, 59.4303, 12.5743)

Have a look what the booklet for
XYZ(36.3180, 59.4303, 12.5743)
contains.

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Color

**XYZ(36.3570, 59.4535,
12.5771)**

Conversions

Conversions Part 1

Format	Color
Hex	7CE332
RGB	124, 227, 50
RGB Percent	49%, 89%, 20%
CMY	0.5137, 0.1098, 0.8039
CMYK	0.45, 0.00, 0.78, 0.11
HSL	95°, 76%, 54%
HSV	95°, 78%, 89%
XYZ	36.3570, 59.4535, 12.5771
YIQ	176.0250, -4.5710, -76.8830

Conversions

Conversions Part 2

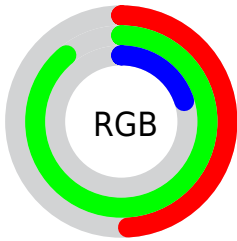
Format	Color
RYB	50, 227, 153
Decimal	8184626
CIELab	81.54, -57.48, 70.77
CIELCh	82, 91.170, 129.082
Yxy	59.4535, 0.3354, 0.5485
Android (android.graphics.Color)	4286374706 (0xFF7CE332)
YUV	176.0250, -62.1303, -45.6259
Hunter-Lab	77.1061, -50.7695, 44.3032

Details

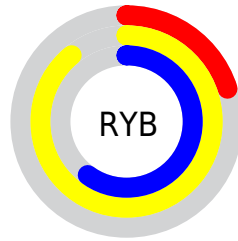
The XYZ color **36.3570, 59.4535, 12.5771** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **28.1459, 14.6017, 74.0112**, and the grayscale version is **41.5973, 43.7636, 47.6585**.

A 20% lighter version of the original color is **58.3416, 82.8361, 27.6659**, and **16.4874, 30.1179, 4.9444** is the 20% darker color. If you saturate the color by 10%, you get **34.2008, 58.3870, 10.5229**, and if you desaturate by 10%, it is **39.0144, 60.7540, 15.9232**.

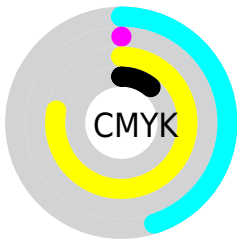
Distribution



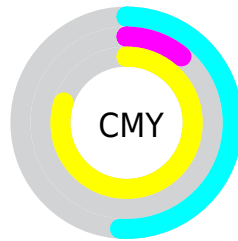
- Red (49%)
- Green (89%)
- Blue (20%)



- Red (20%)
- Yellow (89%)
- Blue (60%)



- Cyan (45%)
- Magenta (0%)
- Yellow (78%)
- Black (11%)





- Cyan (51%)
- Magenta (11%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3570, 59.4535, 12.5771 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 36.3570, 59.4535, 12.5771 by changing the saturation by 10% instead.


 36.3570, 59.4535,
12.5771


 36.3570, 59.4535,
12.5771


321.9223,
422.5804, 219.3011


 24.8814, 42.9783,
7.0107


 68.9030, 104.0365,
31.2219

 16.1170, 29.8681,
3.3902


 90.7041, 132.9131,
45.1373


 9.6984, 19.7385,
1.2972

 116.6779,
166.6922, 62.6729

 5.2601, 12.2051,
0.0595

 147.1895,
205.7583, 84.2471

 2.4370, 6.8835,
0.0000

 182.6044,
250.4958, 110.2785

 0.8636, 3.3894,
0.0000

223.2879,

 0.0000, 1.3382,

301.2891, 141.1856

0.0000

269.6055,
358.5225, 177.3869

■ 0.0000, 0.1705,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3570, 59.4535,
12.5771

■ 36.3570, 59.4535,
12.5771

■ 34.2008, 58.3870,
10.5229

■ 39.0144, 60.7540,
15.9232


■ 32.4872, 57.5240,
9.5233


■ 42.2099, 62.2984,
20.7243


■ 32.1790, 57.3680,
9.3771


■ 45.9808, 64.1046,
27.1236


■ 50.3596, 66.1867,
35.2463

 55.3756, 68.5573,
45.2048

 61.0563, 71.2284,
57.1024

 67.4274, 74.2110,
71.0343

 74.5130, 77.5158,
87.0898

 82.3361, 81.1526,
105.3526

Harmonies

Analogous

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



50.9024, 59.4535, 6.4951



36.3570, 59.4535, 12.5771



28.6560, 59.4535, 33.9518

Triad

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



36.3570, 59.4535, 12.5771



44.3737, 59.4535, 221.2849



101.1374, 59.4535, 49.4976

Complementary

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



36.3570, 59.4535, 12.5771



28.1459, 14.6017, 74.0112

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.



98.2727, 59.4535, 110.0687



36.3570, 59.4535, 12.5771



62.5124, 59.4535, 234.2821

Square

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



36.3570, 59.4535, 12.5771



32.5067, 59.4535, 156.3771



82.9972, 59.4535, 185.6751



90.1176, 59.4535, 18.4615

Rectangle

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



36.3570, 59.4535, 12.5771



27.1456, 59.4535, 63.0627



82.9972, 59.4535, 185.6751



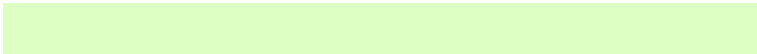
101.8113, 59.4535, 66.4361

Sweetspot

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



36.3584, 59.4561, 12.5784



75.5424, 90.8729, 65.9924



43.2111, 38.4725, 8.1670



15.6074, 19.1862, 12.9601



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.



36.3584, 59.4561, 12.5784



42.9852, 75.2345, 12.7194



29.6503, 55.9646, 13.7693



14.7574, 16.3820, 15.2887



18.8921, 33.5207, 5.4744



1.4999, 2.5306, 0.4094

Inverse Universe

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



28.1459, 14.6017, 74.0112



31.7034, 14.5185, 95.7391



45.1130, 23.5303, 66.5921



14.3823, 14.2993, 18.1463



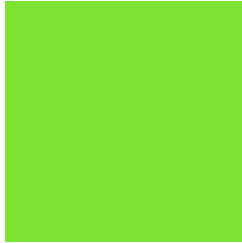
13.7811, 6.1703, 42.8478



1.1237, 0.5102, 3.1712

Previews

White Background



This preview shows how the XYZ color 36.3570, 59.4535, 12.5771 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 36.3570, 59.4535, 12.5771 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 36.3570, 59.4535, 12.5771

Background



This preview shows how black text looks on a background with the XYZ color 36.3570, 59.4535, 12.5771.



This preview shows how white text looks on a background with the XYZ color 36.3570, 59.4535,

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

36.3570, 59.4535, 12.5771

Protanopia

52.9392, 58.5917, 10.9020

Deuteranopia

59.7591, 58.3504, 13.2674



Tritanopia

50.0604, 58.7693, 82.1039

Trichromacy



Original Color

36.3570, 59.4535, 12.5771



Protanomaly

44.7737, 57.6046, 11.3437



Deuteranomaly

47.5853, 56.4911, 12.6708



Tritanomaly

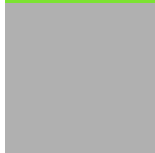
42.4082, 57.9328, 43.5973

Monochromacy



Original Color

36.3570, 59.4535, 12.5771



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.4490, 47.8100, 28.3736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3570, 59.4535, 12.5771 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(124, 227, 50)` looks like.

```
.text, #text, p{  
    color:rgb(124, 227, 50)  
}
```

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(124, 227, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 227, 50) }
```

Border

The CSS property to change the border of an element to XYZ 36.3570, 59.4535, 12.5771 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(124, 227, 50) }
```


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

```
.border{ border-color:rgb(124, 227, 50) }
```

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

Here you see how a box with a 4 pixel rgb(124, 227, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 227, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 227, 50);  
box-shadow:4px 4px 4px 4px rgb(124, 227,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3570, 59.4535, 12.5771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 227, 50) }
```

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

```
.background{ background-color: rgb(124,  
227, 50) }
```

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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