

Converting Colors

XYZ(34.3291, 57.2121, 10.5346)

Have a look what the booklet for
XYZ(34.3291, 57.2121, 10.5346)
contains.

XYZ(34.3742, 57.2618, 10.5372)	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(34.3742, 57.2618,
10.5372)**

Conversions

Conversions Part 1

Format	Color
Hex	76E01F
RGB	118, 224, 31
RGB Percent	46%, 88%, 12%
CMY	0.5373, 0.1216, 0.8784
CMYK	0.47, 0.00, 0.86, 0.12
HSL	93°, 76%, 50%
HSV	93°, 86%, 88%
XYZ	34.3742, 57.2618, 10.5372
YIQ	170.3040, -1.2230, -82.4950

Conversions

Conversions Part 2

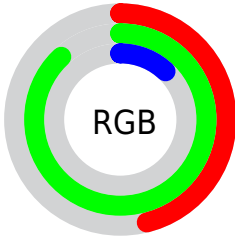
Format	Color
RYB	31, 224, 137
Decimal	7790623
CIELab	80.33, -58.97, 74.26
CIElCh	80, 94.823, 128.453
Yxy	57.2618, 0.3364, 0.5604
Android (android.graphics.Color)	4285980703 (0xFF76E01F)
YUV	170.3040, -68.6769, -45.8706
Hunter-Lab	75.6715, -51.3406, 44.7140

Details

The XYZ color **34.3742, 57.2618, 10.5372** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **24.2647, 11.6824, 71.5003**, and the grayscale version is **38.6951, 40.7102, 44.3334**.

A 20% lighter version of the original color is **56.2778, 81.8480, 24.1414**, and **15.4188, 28.7353, 4.7338** is the 20% darker color. If you saturate the color by 10%, you get **32.6118, 56.3782, 9.4105**, and if you desaturate by 10%, it is **36.5616, 58.3445, 12.7527**.

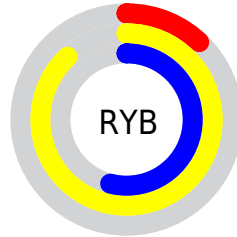
Distribution



Red (46%)

Green (88%)

Blue (12%)



Red (12%)

Yellow (88%)

Blue (54%)

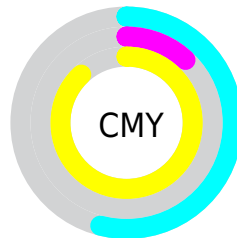


Cyan (47%)

Magenta (0%)

Yellow (86%)

Black (12%)



Cyan (54%)


Magenta (12%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3742, 57.2618, 10.5372 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 34.3742, 57.2618, 10.5372 by changing the saturation by 10% instead.


 34.3742, 57.2618,
10.5372


 34.3742, 57.2618,
10.5372


313.3540,
414.4296, 205.0865


 23.3455, 41.2155,
5.6463


 65.8556, 100.8471,
27.4246


 14.9709, 28.4875,
2.5660


 87.0390, 129.1548,
40.2582


 8.8851, 18.6935,
0.8748


 112.3379,
162.3185, 56.5764

 4.7229, 11.4490,
0.0000

 142.1178,
200.7225, 76.7979

 2.1187, 6.3697,
0.0000

 176.7440,
244.7512, 101.3411

 0.6993, 3.0711,
0.0000

 216.5819,

 0.0000, 1.1690,

294.7890, 130.6245

0.0000

261.9968,
351.2204, 165.0668

■ 0.0000, 0.0362,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3742, 57.2618,
10.5372

■ 34.3742, 57.2618,
10.5372

■ 32.6118, 56.3782,
9.4105

■ 36.5616, 58.3445,
12.7527

■ 32.0199, 56.0785,
9.1366

■ 39.2147, 59.6376,
16.2477

■ 42.3721, 61.1594,
21.1798

■ 46.0662, 62.9237,
27.6827

■ 50.3264, 64.9430,
35.8749

■ 55.1796, 67.2288,
45.8635

■ 60.6506, 69.7919,
57.7469

■ 66.7628, 72.6422,
71.6160

■ 73.5384, 75.7893,
87.5562

Harmonies

Analogous

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



49.1262, 57.2618, 5.1412



34.3742, 57.2618, 10.5372



26.5884, 57.2618, 30.7767

Triad

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



34.3742, 57.2618, 10.5372



41.8473, 57.2618, 223.7629



100.2686, 57.2618, 47.9308

Complementary

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



34.3742, 57.2618, 10.5372



24.2647, 11.6824, 71.5003

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.



96.9974, 57.2618, 110.3684



34.3742, 57.2618, 10.5372



60.0930, 57.2618, 238.8652

Square

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



34.3742, 57.2618, 10.5372



30.1353, 57.2618, 155.1296



81.0637, 57.2618, 188.9452



89.1611, 57.2618, 16.7261

Rectangle

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



34.3742, 57.2618, 10.5372



25.0126, 57.2618, 59.5094



81.0637, 57.2618, 188.9452



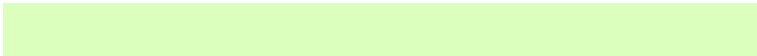
100.8581, 57.2618, 65.2762

Sweetspot

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



34.3755, 57.2643, 10.5385



74.0010, 90.1767, 61.4791



39.5063, 32.9809, 5.5809



15.3335, 19.0637, 12.0986



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.



34.3755, 57.2643, 10.5385



42.8219, 75.1606, 12.2505



27.5632, 53.7416, 10.7075



14.1125, 15.6382, 14.5814



18.7655, 32.7065, 5.3239



1.4028, 2.3196, 0.3738

Inverse Universe

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



24.2647, 11.6824, 71.5003



28.8759, 12.8009, 95.5566



43.8310, 21.8681, 67.9468



13.6681, 13.6124, 17.2948



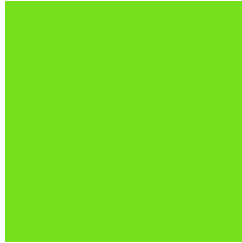
12.7234, 5.6545, 41.4692



0.9846, 0.4449, 2.8792

Previews

White Background



This preview shows how the XYZ color 34.3742, 57.2618, 10.5372 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 34.3742, 57.2618, 10.5372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

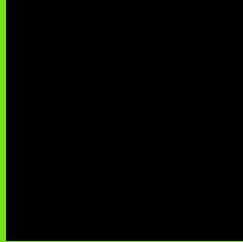
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3742, 57.2618, 10.5372

Background



This preview shows how black text looks on a background with the XYZ color 34.3742, 57.2618, 10.5372.



This preview shows how white text looks on a background with the XYZ color 34.3742, 57.2618,

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

34.3742, 57.2618, 10.5372

Protanopia

50.7802, 56.1380, 8.9699

Deuteranopia

57.7160, 56.3725, 11.3291



Tritanopia

48.0005, 56.6590, 79.6405

Trichromacy



Original Color

34.3742, 57.2618, 10.5372



Protanomaly

42.5069, 55.0145, 9.3558



Deuteranomaly

45.4672, 54.3881, 10.6863



Tritanomaly

40.0326, 55.6605, 39.2055

Monochromacy



Original Color

34.3742, 57.2618, 10.5372



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.5057, 44.7381, 24.2694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3742, 57.2618, 10.5372 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(118, 224, 31)` looks like.

```
.text, #text, p{  
    color:rgb(118, 224, 31)  
}
```

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(118, 224, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 224, 31) }
```

Border

The CSS property to change the border of an element to XYZ 34.3742, 57.2618, 10.5372 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(118, 224, 31) }
```


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

```
.border{ border-color:rgb(118, 224, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 224, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 224, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 224, 31);  
box-shadow:4px 4px 4px 4px rgb(118, 224,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3742, 57.2618, 10.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 224, 31) }
```

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

```
.background{ background-color: rgb(118,  
224, 31) }
```

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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