

Converting Colors

XYZ(34.6619, 58.5114, 14.9436)

Have a look what the booklet for
XYZ(34.6619, 58.5114, 14.9436)
contains.

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Color

**XYZ(34.6968, 58.5437,
14.9402)**

Conversions

Conversions Part 1

Format	Color
Hex	6CE344
RGB	108, 227, 68
RGB Percent	42%, 89%, 27%
CMY	0.5765, 0.1098, 0.7333
CMYK	0.52, 0.00, 0.70, 0.11
HSL	105°, 74%, 58%
HSV	105°, 70%, 89%
XYZ	34.6968, 58.5437, 14.9402
YIQ	173.2930, -19.8850, -74.6770

Conversions

Conversions Part 2

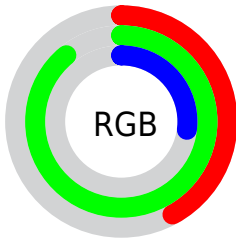
Format	Color
RYB	68, 227, 187
Decimal	7136068
CIELab	81.04, -60.93, 64.15
CIELCh	81, 88.479, 133.524
Yxy	58.5437, 0.3207, 0.5412
Android (android.graphics.Color)	4285326148 (0xFF6CE344)
YUV	173.2930, -51.9094, -57.2620
Hunter-Lab	76.5139, -52.9547, 41.9827

Details

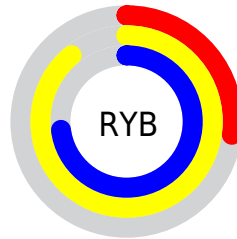
The XYZ color **34.6968, 58.5437, 14.9402** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **36.4293, 20.2473, 74.6644**, and the grayscale version is **40.1357, 42.2259, 45.9840**.

A 20% lighter version of the original color is **55.7603, 81.4103, 31.8437**, and **15.1377, 29.1428, 4.8273** is the 20% darker color. If you saturate the color by 10%, you get **32.2652, 57.3571, 11.8840**, and if you desaturate by 10%, it is **37.8020, 60.0501, 19.4296**.

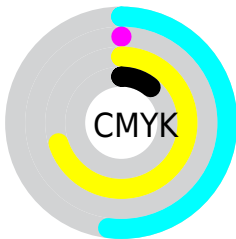
Distribution



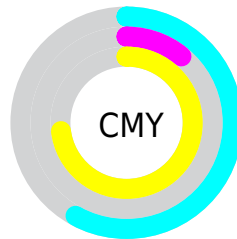
- Red (42%)
- Green (89%)
- Blue (27%)



- Red (27%)
- Yellow (89%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)





- Cyan (58%)
- Magenta (11%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6968, 58.5437, 14.9402 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 34.6968, 58.5437, 14.9402 by changing the saturation by 10% instead.


 34.6968, 58.5437,
14.9402


 34.6968, 58.5437,
14.9402


314.7595,
419.2088, 234.6323

 23.5948, 42.2459,
8.6313


 66.3529, 102.7142,
35.4891


 15.1564, 29.2939,
4.4080


 87.6378, 131.3557,
50.5661


 9.0163, 19.3033,
1.8517


 113.0476,
164.8805, 69.4028

 4.8090, 11.8896,
0.4617

 142.9479,
203.6731, 92.4179

 2.1692, 6.6686,
0.0000

 177.7038,
248.1178, 120.0299

 0.7264, 3.2557,
0.0000

217.6808,

 0.0000, 1.2666,

298.5991, 152.6572

0.0000

263.2443,
355.5013, 190.7185

■ 0.0000, 0.1151,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6968, 58.5437,
14.9402

■ 34.6968, 58.5437,
14.9402

■ 32.2652, 57.3571,
11.8840

■ 37.8020, 60.0501,
19.4296


■ 30.4465, 56.4575,
10.0827


■ 41.6259, 61.8911,
25.4953


■ 29.1634, 55.8134,
9.2360

■ 46.2142, 64.0892,
33.2671


■ 51.6074, 66.6628,
42.8605

 57.8431, 69.6289,
54.3808

 64.9563, 73.0035,
67.9253

 72.9802, 76.8016,
83.5848

 81.9460, 81.0376,
101.4443

 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.



47.7879, 58.5437, 7.3098



34.6968, 58.5437, 14.9402



28.1867, 58.5437, 39.1496

Triad

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



34.6968, 58.5437, 14.9402



46.2182, 58.5437, 218.2128



97.5214, 58.5437, 42.8984

Complementary

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



34.6968, 58.5437, 14.9402



36.4293, 20.2473, 74.6644

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.



96.8387, 58.5437, 96.9419



34.6968, 58.5437, 14.9402



64.3171, 58.5437, 221.2892

Square

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



34.6968, 58.5437, 14.9402



33.7666, 58.5437, 161.8304



83.6762, 58.5437, 168.7818



85.3755, 58.5437, 16.3845

Rectangle

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



34.6968, 58.5437, 14.9402



27.3169, 58.5437, 70.1651



83.6762, 58.5437, 168.7818



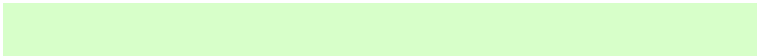
98.8537, 58.5437, 57.7274

Sweetspot

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



34.6982, 58.5462, 14.9415



74.3564, 90.1932, 69.0263



49.9899, 51.2818, 12.7334



15.4157, 19.0676, 13.8439



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.



34.6982, 58.5462, 14.9415



40.8428, 74.0945, 14.2286



32.4098, 57.1919, 22.7240



14.5273, 16.2634, 15.2779



17.0978, 32.5957, 5.3905



1.3473, 2.4519, 0.4023

Inverse Universe

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



36.4293, 20.2473, 74.6644



42.9559, 21.2263, 96.4408



43.0313, 24.1801, 51.0599



14.6225, 14.4232, 18.1576



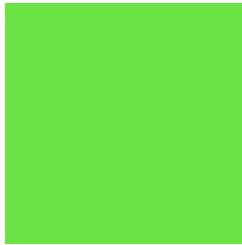
17.8542, 8.2701, 43.0384



1.4032, 0.6544, 3.1843

Previews

White Background



This preview shows how the XYZ color 34.6968, 58.5437, 14.9402 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 34.6968, 58.5437, 14.9402 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 34.6968, 58.5437, 14.9402

Background



This preview shows how black text looks on a background with the XYZ color 34.6968, 58.5437, 14.9402.

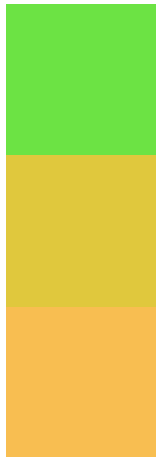


This preview shows how white text looks on a background with the XYZ color 34.6968, 58.5437,

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

34.6968, 58.5437, 14.9402

Protanopia

52.2371, 57.4928, 12.7589

Deuteranopia

58.6101, 57.3775, 15.7705



Tritanopia

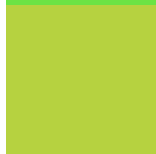
48.1676, 58.1474, 82.8136

Trichromacy



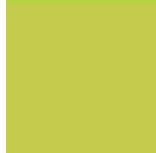
Original Color

34.6968, 58.5437, 14.9402



Protanomaly

43.2634, 56.4084, 13.4582



Deuteranomaly

45.6864, 55.1040, 15.0657



Tritanomaly

40.8209, 57.0400, 46.8885

Monochromacy



Original Color

34.6968, 58.5437, 14.9402



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.8376, 46.2788, 29.9655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6968, 58.5437, 14.9402 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(108, 227, 68)` looks like.

```
.text, #text, p{  
    color:rgb(108, 227, 68)  
}
```

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(108, 227, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 227, 68) }
```

Border

The CSS property to change the border of an element to XYZ 34.6968, 58.5437, 14.9402 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(108, 227, 68) }
```


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

```
.border{ border-color:rgb(108, 227, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 227, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 227, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 227, 68);  
box-shadow:4px 4px 4px 4px rgb(108, 227,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6968, 58.5437, 14.9402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 227, 68) }
```

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

```
.background{ background-color: rgb(108,  
227, 68) }
```

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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