

Converting Colors

XYZ(34.8640, 55.6936, 8.9140)

Have a look what the booklet for
XYZ(34.8640, 55.6936, 8.9140)
contains.

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Color

**XYZ(34.8472, 55.5686,
8.8892)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 84DB00 |
| RGB | 132, 219, 0 |
| RGB Percent | 52%, 86%, 0% |
| CMY | 0.4824, 0.1412, 0.9999 |
| CMYK | 0.40, 0.00, 1.00, 0.14 |
| HSL | 84°, 100%, 43% |
| HSV | 84°, 100%, 86% |
| XYZ | 34.8472, 55.5686, 8.8892 |
| YIQ | 168.0210, 18.4470, -86.5530 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 219, 87 |
| Decimal | 8706816 |
| CIELab | 79.37, -53.21, 77.66 |
| CIELCh | 79, 94.143, 124.415 |
| Yxy | 55.5686, 0.3509, 0.5596 |
| Android (android.graphics.Color) | 4286896896 (0xFF84DB00) |
| YUV | 168.0210, -82.8344, -31.5904 |
| Hunter-Lab | 74.5443, -47.0093, 45.1109 |

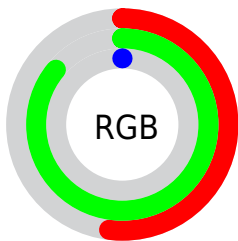
Details

The XYZ color **34.8472, 55.5686, 8.8892** 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 **16.7208, 7.1433, 67.5186**, and the grayscale version is **37.6205, 39.5797, 43.1023**.

A 20% lighter version of the original color is **59.1779, 83.3984, 21.7826**, and **15.6957, 27.5340, 4.4873** is the 20% darker color. If you saturate the color by 10%, you get **34.8465, 55.5700, 8.8895**, and if you desaturate by 10%, it is **36.4106, 56.3597, 9.7150**.

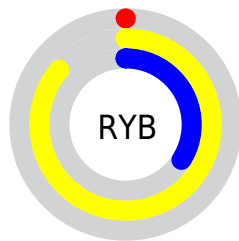
Distribution



Red (52%)

Green (86%)

Blue (0%)



Red (0%)

Yellow (86%)

Blue (34%)

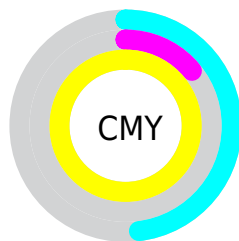


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (48%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8472, 55.5686, 8.8892 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 34.8472, 55.5686, 8.8892 by changing the saturation by 10% instead.


 34.8472, 55.5686,
8.8892


 34.8472, 55.5686,
8.8892


315.4132,
408.0637, 192.7367


 23.7112, 39.8571,
4.5732


 66.5846, 98.3735,
24.2584

 15.2431, 27.4272,
1.9448


 87.9166, 126.2358,
36.1486


 9.0776, 17.8943,
0.5210


 113.3780,
158.9172, 51.4006

 4.8493, 10.8741,
0.0000

 143.3342,
196.8020, 70.4330

 2.1930, 5.9823,
0.0000

 178.1504,
240.2746, 93.6642

 0.7390, 2.8343,
0.0000

 218.1921,

 0.0000, 1.0458,

289.7195, 121.5129

0.0000

263.8246,
345.5211, 154.3976

■ 0.0000, 0.0000,
0.0000

■ 34.8472, 55.5686,
8.8892

■ 34.8472, 55.5686,
8.8892

■ 34.8465, 55.5700,
8.8895

■ 36.4106, 56.3597,
9.7150

■ 38.2522, 57.2736,
11.4049

■ 40.4292, 58.3353,
14.2417

■ 42.9743, 59.5583,
18.3835

■ 45.9151, 60.9539,
23.9637

■ 49.2762, 62.5322,
31.0993

■ 53.0797, 64.3022,
39.8950

■ 57.3460, 66.2724,
50.4468

■ 62.0941, 68.4507,
62.8430

Harmonies

Analogous

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



50.0720, 55.5686, 4.7820



34.8472, 55.5686, 8.8892



26.3818, 55.5686, 25.8064

Triad

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



34.8472, 55.5686, 8.8892



38.6440, 55.5686, 210.9783



97.8868, 55.5686, 52.8524

Complementary

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



34.8472, 55.5686, 8.8892



16.7208, 7.1433, 67.5186

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.



92.7723, 55.5686, 117.3974



34.8472, 55.5686, 8.8892



55.6591, 55.5686, 234.5281

Square

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



34.8472, 55.5686, 8.8892



28.1797, 55.5686, 140.2986



76.0947, 55.5686, 193.1124



88.7649, 55.5686, 18.7246

Rectangle

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



34.8472, 55.5686, 8.8892



24.3071, 55.5686, 50.9431



76.0947, 55.5686, 193.1124



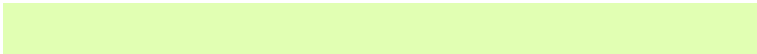
97.7894, 55.5686, 71.1937

Sweetspot

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



34.8485, 55.5710, 8.8904



74.7743, 90.6985, 55.9487



32.3830, 21.3968, 2.4241



15.5009, 19.1792, 10.7880



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.



34.8485, 55.5710, 8.8904



49.0257, 78.3587, 12.5408



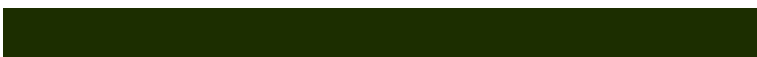
25.7482, 50.8796, 8.4645



13.6355, 14.9924, 13.9007



20.7879, 33.0140, 5.2767



1.4428, 2.1883, 0.3463

Inverse Universe

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



16.7208, 7.1433, 67.5186



23.4526, 10.0052, 95.3028



34.8963, 16.5130, 68.3692



12.8258, 12.8683, 16.4600



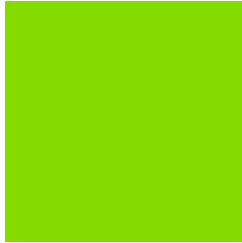
10.0285, 4.2941, 40.0387



0.7451, 0.3274, 2.5984

Previews

White Background



This preview shows how the XYZ color 34.8472, 55.5686, 8.8892 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 34.8472, 55.5686, 8.8892 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 34.8472, 55.5686, 8.8892

Background



This preview shows how black text looks on a background with the XYZ color 34.8472, 55.5686, 8.8892.



This preview shows how white text looks on a background with the XYZ color 34.8472, 55.5686,

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

34.8472, 55.5686, 8.8892

Protanopia

49.5587, 54.8520, 7.9755

Deuteranopia

55.7910, 54.4652, 9.8578



Tritanopia

48.2214, 55.4210, 75.8659

Trichromacy



Original Color

34.8472, 55.5686, 8.8892

Protanomaly

42.5791, 54.0045, 8.1798

Deuteranomaly

45.3409, 52.9908, 8.8754

Tritanomaly

39.5667, 53.6974, 33.0902

Monochromacy



Original Color

34.8472, 55.5686, 8.8892

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

33.9417, 43.5707, 20.5310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8472, 55.5686, 8.8892 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(132, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 219, 0)  
}
```

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(132, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.8472, 55.5686, 8.8892 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(132, 219, 0) }
```


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

```
.border{ border-color:rgb(132, 219, 0) }
```

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

Here you see how a box with a 4 pixel rgb(132, 219, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 219,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8472, 55.5686, 8.8892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 219, 0) }
```

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

```
.background{ background-color: rgb(132,  
219, 0) }
```

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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