

Converting Colors

XYZ(34.9403, 61.4960, 18.8325)

Have a look what the booklet for
XYZ(34.9403, 61.4960, 18.8325)
contains.

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Color

**XYZ(34.9403, 61.4960,
18.8325)**

Conversions

Conversions Part 1

Format	Color
Hex	56EA56
RGB	86, 234, 86
RGB Percent	34%, 92%, 34%
CMY	0.6627, 0.0823, 0.6627
CMYK	0.63, 0.00, 0.63, 0.08
HSL	120°, 78%, 63%
HSV	120°, 63%, 92%
XYZ	34.9403, 61.4960, 18.8325
YIQ	172.8760, -40.7000, -77.4040

Conversions

Conversions Part 2

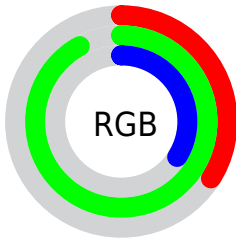
Format	Color
RYB	86, 234, 234
Decimal	5696086
CIELab	82.64, -67.01, 58.64
CIELCh	83, 89.051, 138.811
Yxy	61.4960, 0.3031, 0.5335
Android (android.graphics.Color)	4283886166 (0xFF56EA56)
YUV	172.8760, -42.8299, -76.1903
Hunter-Lab	78.4194, -57.7020, 40.6550

Details

The XYZ color **34.9403, 61.4960, 18.8325** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **52.1123, 30.0893, 80.9033**, and the grayscale version is **39.8849, 41.9621, 45.6967**.

A 20% lighter version of the original color is **53.1454, 79.9271, 37.8257**, and **15.9086, 31.5189, 6.2226** is the 20% darker color. If you saturate the color by 10%, you get **32.3347, 60.2463, 14.5694**, and if you desaturate by 10%, it is **38.5623, 63.2377, 24.7561**.

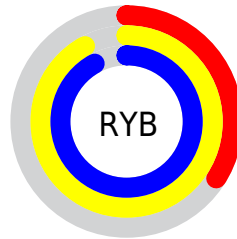
Distribution



Red (34%)

Green (92%)

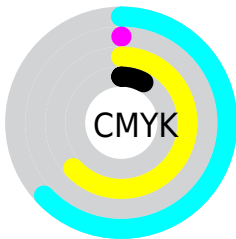
Blue (34%)



Red (34%)

Yellow (92%)

Blue (92%)

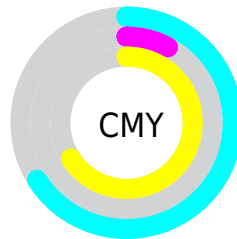


Cyan (63%)

Magenta (0%)

Yellow (63%)

Black (8%)



Cyan (66%)


Magenta (8%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9403, 61.4960, 18.8325 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 34.9403, 61.4960, 18.8325 by changing the saturation by 10% instead.


 34.9403, 61.4960,
18.8325


 34.9403, 61.4960,
18.8325


315.8174,
430.0903, 257.9143


 23.7832, 44.6256,
11.3737


 66.7279, 106.9968,
42.2838


 15.2967, 31.1626,
6.2015

 88.0891, 136.3959,
59.1134

 9.1156, 20.7227,
2.8972


 113.5824,
170.7401, 79.9037

 4.8744, 12.9215,
1.0424

 143.5731,
210.4137, 105.0732

 2.2077, 7.3745,
0.0000

178.4266,
255.8011, 135.0405

 0.7468, 3.6974,
0.0000

218.5082,

 0.0000, 1.5058,

307.2868, 170.2241

0.0000

264.1834,
365.2550, 211.0425

0.0000, 0.2928,
0.0000

0.0000, 0.0000,
0.0000

34.9403, 61.4960,
18.8325

34.9403, 61.4960,
18.8325

32.3347, 60.2463,
14.5694

38.5623, 63.2377,
24.7561

30.6380, 59.4312,
11.7939


43.2857, 65.5066,
32.4821


29.7264, 58.9934,
10.3027


49.1915, 68.3434,
42.1421


29.4241, 58.8482,
9.8082

56.3519, 71.7829,
53.8541

 64.8333, 75.8570,
67.7269

 74.6976, 80.5953,
83.8615

 86.0025, 86.0257,
102.3525

 88.7141, 87.3281,
106.7880

Harmonies

Analogous

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



47.3902, 61.4960, 8.5914



34.9403, 61.4960, 18.8325



29.3184, 61.4960, 48.5525

Triad

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



34.9403, 61.4960, 18.8325



51.6093, 61.4960, 232.2060



100.5606, 61.4960, 38.4485

Complementary

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



34.9403, 61.4960, 18.8325



52.1123, 30.0893, 80.9033

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.



102.3856, 61.4960, 89.5123



34.9403, 61.4960, 18.8325



71.1094, 61.4960, 224.0143

Square

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



34.9403, 61.4960, 18.8325



37.4474, 61.4960, 181.3911



90.6715, 61.4960, 162.8509



86.1242, 61.4960, 14.8997

Rectangle

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



34.9403, 61.4960, 18.8325



29.1516, 61.4960, 84.3952



90.6715, 61.4960, 162.8509



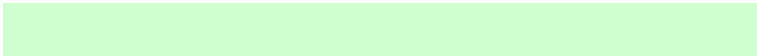
102.7707, 61.4960, 52.1062

Sweetspot

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



34.9418, 61.4986, 18.8339



72.5743, 89.2038, 72.1373



65.0369, 77.0132, 20.2414



14.9229, 18.7998, 14.4411



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.



34.9418, 61.4986, 18.8339



38.5447, 72.8576, 16.4754



39.6072, 63.3648, 43.4019



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5115



1.2983, 2.5966, 0.4328

Inverse Universe

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



52.1123, 30.0893, 80.9033



60.9685, 31.8385, 97.5351



43.6063, 26.6870, 36.1116



15.7149, 15.3138, 19.0497



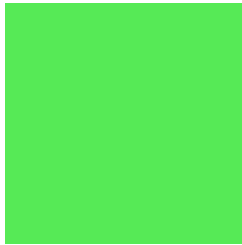
27.4129, 13.1678, 44.8370



2.1526, 1.0340, 3.5208

Previews

White Background



This preview shows how the XYZ color 34.9403, 61.4960, 18.8325 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 34.9403, 61.4960, 18.8325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

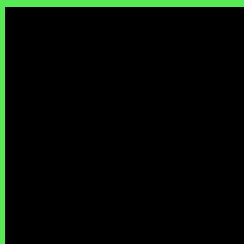
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

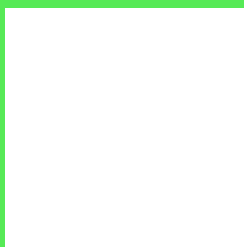
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9403, 61.4960, 18.8325

Background



This preview shows how black text looks on a background with the XYZ color 34.9403, 61.4960, 18.8325.

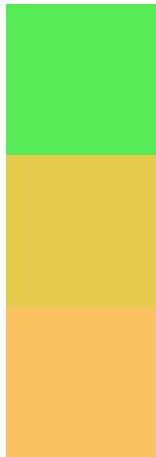


This preview shows how white text looks on a background with the XYZ color 34.9403, 61.4960,

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

34.9403, 61.4960, 18.8325

Protanopia

54.9273, 60.2155, 15.7490

Deuteranopia

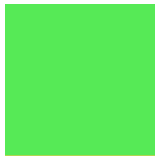
61.2801, 59.9746, 19.9017



Tritanopia

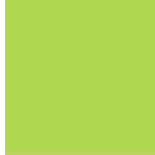
48.9298, 61.0625, 89.3281

Trichromacy



Original Color

34.9403, 61.4960, 18.8325



Protanomaly

43.6529, 58.4102, 16.5630



Deuteranomaly

46.3067, 57.4854, 19.2449



Tritanomaly

41.5296, 60.0037, 53.6490

Monochromacy



Original Color

34.9403, 61.4960, 18.8325



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

35.3073, 46.6160, 32.3362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9403, 61.4960, 18.8325 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(86, 234, 86)` looks like.

```
.text, #text, p{  
    color:rgb(86, 234, 86)  
}
```

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(86, 234, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 234, 86) }
```

Border

The CSS property to change the border of an element to XYZ 34.9403, 61.4960, 18.8325 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(86, 234, 86) }
```


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

```
.border{ border-color:rgb(86, 234, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 234, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 234, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 234, 86);  
box-shadow:4px 4px 4px 4px rgb(86, 234,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9403, 61.4960, 18.8325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 234, 86) }
```

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

```
.background{ background-color: rgb(86, 234,  
86) }
```

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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