

Converting Colors

XYZ(34.9822, 66.0070, 19.5141)

Have a look what the booklet for
XYZ(34.9822, 66.0070, 19.5141)
contains.

XYZ(34.8654, 65.8084, 19.4590)	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(34.8654, 65.8084,
19.4590)**

Conversions

Conversions Part 1

Format	Color
Hex	28F455
RGB	40, 244, 85
RGB Percent	16%, 96%, 33%
CMY	0.8431, 0.0431, 0.6666
CMYK	0.84, 0.00, 0.65, 0.04
HSL	133°, 90%, 56%
HSV	133°, 84%, 96%
XYZ	34.8654, 65.8084, 19.4590
YIQ	164.8780, -70.5450, -92.6970

Conversions

Conversions Part 2

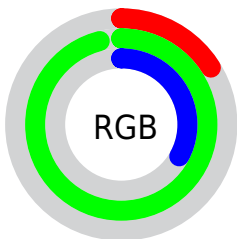
Format	Color
R_{YB}	40, 207, 244
Decimal	2683989
CIE _{Lab}	84.90, -76.99, 61.31
CIE _{LCh}	85, 98.415, 141.468
Yxy	65.8084, 0.2902, 0.5478
Android (android.graphics.Color)	4280874069 (0xFF28F455)
YUV	164.8780, -39.3799, -109.5180
Hunter-Lab	81.1224, -65.2471, 42.5636

Details

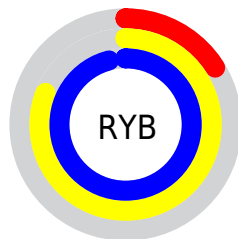
The XYZ color **34.8654, 65.8084, 19.4590** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **48.3773, 24.8750, 56.2840**, and the grayscale version is **35.9140, 37.7843, 41.1472**.

A 20% lighter version of the original color is **48.8799, 77.7282, 37.6261**, and **17.7037, 35.1757, 6.6156** is the 20% darker color. If you saturate the color by 10%, you get **33.5419, 65.2039, 15.9701**, and if you desaturate by 10%, it is **36.9923, 66.8074, 24.0481**.

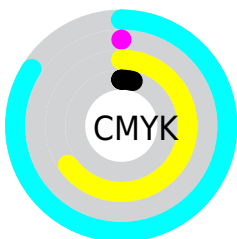
Distribution



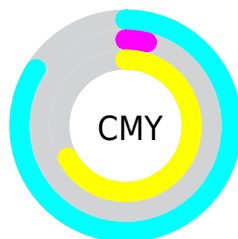
- Red (16%)
- Green (96%)
- Blue (33%)



- Red (16%)
- Yellow (81%)
- Blue (96%)



- Cyan (84%)
- Magenta (0%)
- Yellow (65%)
- Black (4%)





- Cyan (84%)
- Magenta (4%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8654, 65.8084, 19.4590 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 34.8654, 65.8084, 19.4590 by changing the saturation by 10% instead.


 34.8654, 65.8084,
19.4590


 34.8654, 65.8084,
19.4590


315.4923,
445.6913, 261.4778


 23.7252, 48.1169,
11.8222


 66.6126, 113.2113,
43.3553


 15.2536, 33.9195,
6.5017


 87.9503, 143.6915,
60.4518

 9.0850, 22.8317,
3.0788


 113.4180,
179.2033, 81.5388

 4.8542, 14.4693,
1.1350

 143.3809,
220.1312, 107.0346

 2.1959, 8.4478,
0.0000

178.2044,
266.8596, 137.3579

 0.7406, 4.3828,
0.0000

218.2539,

 0.0000, 1.8899,

319.7728, 172.9272

0.0000

263.8947,
379.2552, 214.1609

■ 0.0000, 0.5423,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8654, 65.8084,
19.4590

■ 34.8654, 65.8084,
19.4590

■ 33.5419, 65.2039,
15.9701


■ 36.9923, 66.8074,
24.0481

■ 33.0139, 64.9688,
14.2693


■ 40.0304, 68.2491,
29.8156


■ 44.0748, 70.1828,
36.8375

■ 49.2071, 72.6493,
45.1821

 55.5004, 75.6847,
54.9128

 63.0212, 79.3223,
66.0890

 71.8311, 83.5925,
78.7662

 81.9874, 88.5238,
92.9975

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



48.2602, 65.8084, 7.6080



34.8654, 65.8084, 19.4590



29.2528, 65.8084, 55.0832

Triad

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



34.8654, 65.8084, 19.4590



56.4580, 65.8084, 271.7467



110.9713, 65.8084, 35.7269

Complementary

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



34.8654, 65.8084, 19.4590



48.3773, 24.8750, 56.2840

Split Complementary

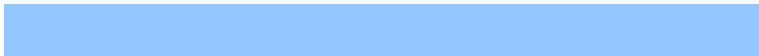
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



114.6395, 65.8084, 91.2540



34.8654, 65.8084, 19.4590



79.4115, 65.8084, 254.8650

Square

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



34.8654, 65.8084, 19.4590



39.6504, 65.8084, 215.0919



101.9921, 65.8084, 177.2461



92.9053, 65.8084, 12.4132

Rectangle

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



34.8654, 65.8084, 19.4590



29.4809, 65.8084, 98.6529



101.9921, 65.8084, 177.2461



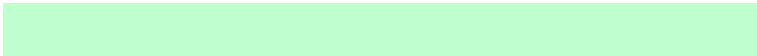
114.0748, 65.8084, 50.0941

Sweetspot

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



34.8670, 65.8111, 19.4605



68.3662, 87.0518, 71.1558



56.5020, 77.1096, 13.9131



13.9879, 18.3204, 14.2772



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.



34.8670, 65.8111, 19.4605



36.4801, 71.8080, 15.7118



42.1116, 68.7090, 57.6103



16.4319, 18.5319, 18.2925



17.9919, 35.3416, 7.9772



1.6183, 3.1210, 0.8958

Inverse Universe

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



48.3773, 24.8750, 56.2840



51.5192, 25.3717, 56.0595



40.2638, 21.6296, 13.5589



17.0480, 16.7020, 19.9992



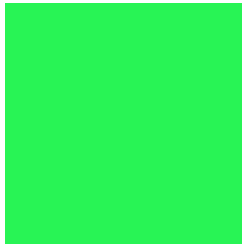
25.4035, 12.5048, 27.8967



2.2704, 1.1141, 2.6504

Previews

White Background



This preview shows how the XYZ color 34.8654, 65.8084, 19.4590 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 34.8654, 65.8084, 19.4590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

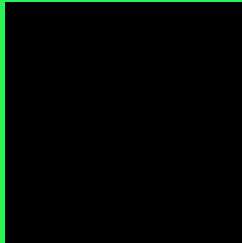
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8654, 65.8084, 19.4590

Background



This preview shows how black text looks on a background with the XYZ color 34.8654, 65.8084, 19.4590.



This preview shows how white text looks on a background with the XYZ color 34.8654, 65.8084,

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

34.8654, 65.8084, 19.4590

Protanopia

58.2828, 64.1074, 16.1396

Deuteranopia

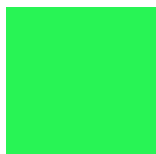
65.2212, 64.2711, 25.1877



Tritanopia

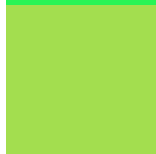
50.2408, 65.1453, 97.9220

Trichromacy



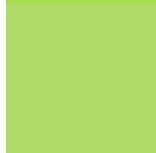
Original Color

34.8654, 65.8084, 19.4590



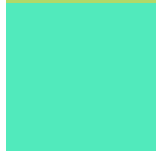
Protanomaly

42.6368, 60.5936, 16.8457



Deuteranomaly

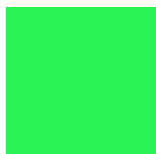
45.4430, 59.9723, 22.2774



Tritanomaly

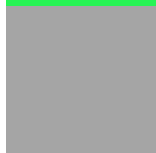
41.8933, 64.2258, 57.7658

Monochromacy



Original Color

34.8654, 65.8084, 19.4590



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.4814, 44.3542, 30.1945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8654, 65.8084, 19.4590 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(40, 244, 85)` looks like.

```
.text, #text, p{  
    color:rgb(40, 244, 85)  
}
```

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(40, 244, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 244, 85) }
```

Border

The CSS property to change the border of an element to XYZ 34.8654, 65.8084, 19.4590 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(40, 244, 85) }
```


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

```
.border{ border-color:rgb(40, 244, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 244, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 244, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 244, 85);  
box-shadow:4px 4px 4px 4px rgb(40, 244,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8654, 65.8084, 19.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 244, 85) }
```

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

```
.background{ background-color: rgb(40, 244,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor