

Converting Colors

XYZ(34.0984, 65.7865, 18.7970)

Have a look what the booklet for
XYZ(34.0984, 65.7865, 18.7970)
contains.

XYZ(34.1754, 65.9140, 18.9041)	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(34.1754, 65.9140,
18.9041)**

Conversions

Conversions Part 1

Format	Color
Hex	00F552
RGB	0, 245, 82
RGB Percent	0%, 96%, 32%
CMY	1.0000, 0.0392, 0.6784
CMYK	1.00, 0.00, 0.67, 0.04
HSL	140°, 100%, 48%
HSV	140°, 100%, 96%
XYZ	34.1754, 65.9140, 18.9041
YIQ	153.1630, -93.6970, -102.6330

Conversions

Conversions Part 2

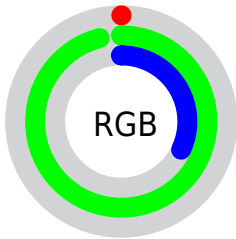
Format	Color
RYB	0, 184, 245
Decimal	62802
CIELab	84.95, -79.59, 62.48
CIELCh	85, 101.190, 141.868
Yxy	65.9140, 0.2872, 0.5539
Android (android.graphics.Color)	4278252882 (0xFF00F552)
YUV	153.1630, -35.0834, -134.3240
Hunter-Lab	81.1874, -66.9394, 43.0258

Details

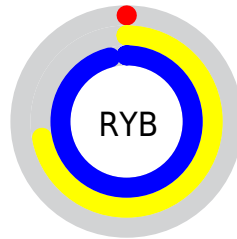
The XYZ color **34.1754, 65.9140, 18.9041** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **44.2691, 22.0580, 36.5775**, and the grayscale version is **30.5287, 32.1186, 34.9772**.

A 20% lighter version of the original color is **47.4177, 76.9998, 36.4080**, and **17.8565, 35.5751, 6.3775** is the 20% darker color. If you saturate the color by 10%, you get **34.1767, 65.9166, 18.9046**, and if you desaturate by 10%, it is **35.2616, 66.3955, 22.5882**.

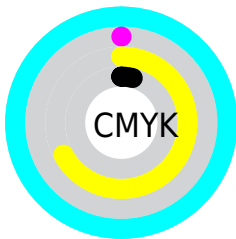
Distribution



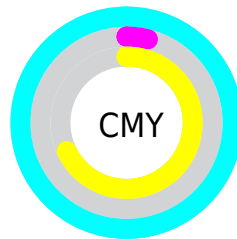
- Red (0%)
- Green (96%)
- Blue (32%)



- Red (0%)
- Yellow (72%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)



- Cyan (100%)
- Magenta (4%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1754, 65.9140, 18.9041 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 34.1754, 65.9140, 18.9041 by changing the saturation by 10% instead.

34.1754, 65.9140,
18.9041

34.1754, 65.9140,
18.9041

312.4856,
446.0693, 258.3239

23.1919, 48.2026,
11.4249

65.5488, 113.3629,
42.4065

14.8567, 33.9874,
6.2356

86.6695, 143.8692,
59.2668

8.8046, 22.8839,
2.9178

111.8998,
179.4092, 80.0912

4.6700, 14.5078,
1.0528

141.6053,
220.3673, 105.2983

2.0877, 8.4747,
0.0000

176.1513,
267.1280, 135.3066

0.6825, 4.4002,
0.0000

215.9031,

0.0000, 1.8998,

320.0757, 170.5345

0.0000

261.2261,
379.5946, 211.4008

■ 0.0000, 0.5483,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1754, 65.9140,
18.9041

■ 34.1754, 65.9140,
18.9041


■ 34.1767, 65.9166,
18.9046


■ 35.2616, 66.3955,
22.5882

■ 36.9926, 67.1893,
27.1202


■ 39.5304, 68.3799,
32.5547


■ 42.9744, 70.0176,
38.9387

 47.4084, 72.1448,
46.3157

 52.9067, 74.7988,
54.7264

 59.5357, 78.0131,
64.2091

 67.3566, 81.8187,
74.8002

 76.4260, 86.2438,
86.5342

Harmonies

Analogous

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



47.7394, 65.9140, 7.0071



34.1754, 65.9140, 18.9041



28.5784, 65.9140, 55.4790

Triad

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



34.1754, 65.9140, 18.9041



56.6679, 65.9140, 280.6774



112.5942, 65.9140, 34.5136

Complementary

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



34.1754, 65.9140, 18.9041



44.2691, 22.0580, 36.5775

Split Complementary

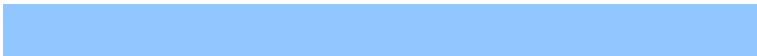
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.6408, 65.9140, 90.9715



34.1754, 65.9140, 18.9041



80.3793, 65.9140, 261.8806

Square

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



34.1754, 65.9140, 18.9041



39.3513, 65.9140, 222.1157



103.7002, 65.9140, 180.1255



93.6976, 65.9140, 11.4718

Rectangle

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



34.1754, 65.9140, 18.9041



28.8726, 65.9140, 100.7119



103.7002, 65.9140, 180.1255



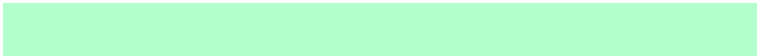
115.8937, 65.9140, 48.9819

Sweetspot

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



34.1770, 65.9167, 18.9056



65.1466, 85.4089, 70.2440



47.8274, 73.1297, 11.5949



13.2550, 17.9465, 14.0655



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.



34.1770, 65.9167, 18.9056



37.4135, 72.1814, 20.6271



43.5734, 69.6753, 68.3867



16.5110, 18.5635, 18.7092



18.4684, 35.5322, 10.4861



1.6690, 3.1413, 1.1630

Inverse Universe

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



44.2691, 22.0580, 36.5775



48.4630, 24.1492, 39.9658



38.0552, 19.5724, 3.8553



16.9641, 16.6685, 19.5575



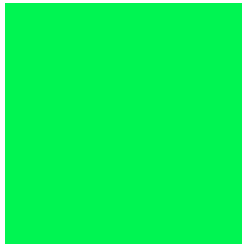
23.9146, 11.9093, 20.0565



2.1495, 1.0658, 2.0136

Previews

White Background



This preview shows how the XYZ color 34.1754, 65.9140, 18.9041 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 34.1754, 65.9140, 18.9041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

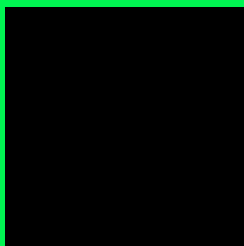
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1754, 65.9140, 18.9041

Background



This preview shows how black text looks on a background with the XYZ color 34.1754, 65.9140, 18.9041.

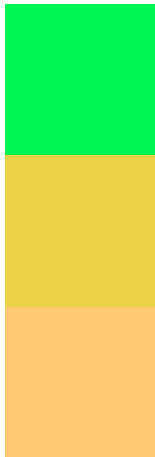


This preview shows how white text looks on a background with the XYZ color 34.1754, 65.9140,

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

34.1754, 65.9140, 18.9041

Protanopia

58.4772, 64.2232, 15.4451

Deuteranopia

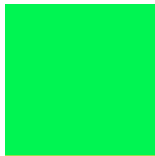
65.2212, 64.2711, 25.1877



Tritanopia

50.1082, 65.4686, 98.8027

Trichromacy



Original Color

34.1754, 65.9140, 18.9041



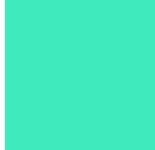
Protanomaly

40.2699, 59.7812, 16.2540



Deuteranomaly

42.1613, 58.2864, 21.8602



Tritanomaly

40.8353, 64.1043, 57.7981

Monochromacy



Original Color

34.1754, 65.9140, 18.9041



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.3194, 39.1915, 26.2562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1754, 65.9140, 18.9041 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(0, 245, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 82)  
}
```

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(0, 245, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 82) }
```

Border

The CSS property to change the border of an element to XYZ 34.1754, 65.9140, 18.9041 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(0, 245, 82) }
```


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

```
.border{ border-color:rgb(0, 245, 82) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 245, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.1754, 65.9140, 18.9041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 82) }
```

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

```
.background{ background-color: rgb(0, 245,  
82) }
```

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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