

Converting Colors

XYZ(34.5877, 64.7576, 25.1487)

Have a look what the booklet for
XYZ(34.5877, 64.7576, 25.1487)
contains.

XYZ(34.5124, 64.6084, 25.1197)	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(34.5124, 64.6084,
25.1197)**

Conversions

Conversions Part 1

Format	Color
Hex	00F26D
RGB	0, 242, 109
RGB Percent	0%, 95%, 43%
CMY	1.0000, 0.0510, 0.5725
CMYK	1.00, 0.00, 0.55, 0.05
HSL	147°, 100%, 47%
HSV	147°, 100%, 95%
XYZ	34.5124, 64.6084, 25.1197
YIQ	154.4800, -101.5390, -92.6670

Conversions

Conversions Part 2

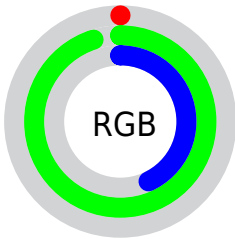
Format	Color
RYB	0, 167, 242
Decimal	62061
CIELab	84.28, -75.54, 50.24
CIELCh	84, 90.717, 146.374
Yxy	64.6084, 0.2778, 0.5200
Android (android.graphics.Color)	4278252141 (0xFF00F26D)
YUV	154.4800, -22.4216, -135.4790
Hunter-Lab	80.3794, -64.0215, 37.7366

Details

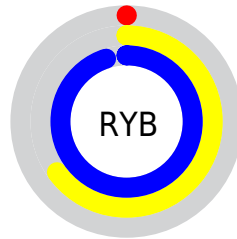
The XYZ color **34.5124, 64.6084, 25.1197** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **40.8535, 20.5717, 24.0100**, and the grayscale version is **31.0557, 32.6730, 35.5809**.

A 20% lighter version of the original color is **49.1809, 77.6751, 47.0510**, and **17.8543, 34.5665, 9.4724** is the 20% darker color. If you saturate the color by 10%, you get **34.5137, 64.6109, 25.1203**, and if you desaturate by 10%, it is **35.6667, 65.1162, 29.2002**.

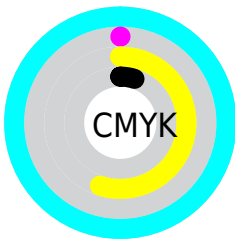
Distribution



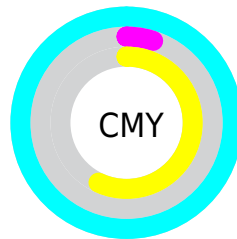
- Red (0%)
- Green (95%)
- Blue (43%)



- Red (0%)
- Yellow (65%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5124, 64.6084, 25.1197 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 34.5124, 64.6084, 25.1197 by changing the saturation by 10% instead.


 34.5124, 64.6084,
25.1197


 34.5124, 64.6084,
25.1197


313.9567,
441.3834, 291.9003


 23.4523, 47.1436,
15.9464


 66.0687, 111.4867,
52.8179


 15.0503, 33.1492,
9.3323


 87.2956, 141.6689,
72.1799


 8.9413, 22.2408,
4.8588


 112.6421,
176.8592, 95.7751

 4.7597, 14.0339,
2.1074

 142.4737,
217.4417, 124.0223

 2.1403, 8.1443,
0.6201

 177.1555,
263.8011, 157.3398

 0.7110, 4.1874,
0.0000

217.0531,

 0.0000, 1.7789,

316.3215, 196.1463

0.0000

262.5317,
375.3875, 240.8603

■ 0.0000, 0.4740,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5124, 64.6084,
25.1197

■ 34.5124, 64.6084,
25.1197

■ 34.5137, 64.6109,
25.1203

■ 35.6667, 65.1162,
29.2002

■ 37.4074, 65.9114,
33.8961

■ 39.8886, 67.0748,
39.2384

■ 43.2025, 68.6535,
45.2526

■ 47.4272, 70.6873,
51.9626

■ 52.6314, 73.2111,
59.3909

■ 58.8766, 76.2564,
67.5589

■ 66.2194, 79.8517,
76.4870

■ 74.7118, 84.0236,
86.1948

Harmonies

Analogous

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



45.7841, 64.6084, 10.4691



34.5124, 64.6084, 25.1197



30.3397, 64.6084, 63.5751

Triad

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



34.5124, 64.6084, 25.1197



58.9957, 64.6084, 248.8223



102.9690, 64.6084, 31.7319

Complementary

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



34.5124, 64.6084, 25.1197



40.8535, 20.5717, 24.0100

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.



108.6411, 64.6084, 77.5847



34.5124, 64.6084, 25.1197



80.2353, 64.6084, 223.4917

Square

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



34.5124, 64.6084, 25.1197



42.3897, 64.6084, 208.6982



99.5566, 64.6084, 151.2076



85.4037, 64.6084, 12.5612

Rectangle

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



34.5124, 64.6084, 25.1197



31.2809, 64.6084, 106.4088



99.5566, 64.6084, 151.2076



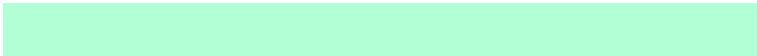
106.4749, 64.6084, 43.5210

Sweetspot

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



34.5140, 64.6110, 25.1212



66.2397, 85.8461, 76.0004



41.4428, 68.5019, 11.0381



13.5110, 18.0489, 15.4134



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.



34.5140, 64.6110, 25.1212



38.8461, 72.7544, 28.1713



46.0230, 69.2146, 85.7266



15.8619, 17.7748, 18.2954



18.6071, 34.7349, 13.8458



1.5974, 2.9094, 1.4123

Inverse Universe

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



40.8535, 20.5717, 24.0100



45.9844, 23.1578, 26.9136



36.6865, 18.9049, 2.0666



16.1363, 15.9042, 18.2741



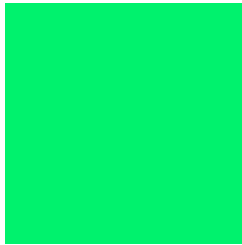
22.0158, 11.0787, 13.2656



1.8816, 0.9417, 1.3673

Previews

White Background



This preview shows how the XYZ color 34.5124, 64.6084, 25.1197 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 34.5124, 64.6084, 25.1197 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

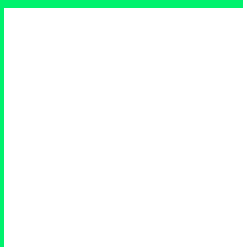
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5124, 64.6084, 25.1197

Background



This preview shows how black text looks on a background with the XYZ color 34.5124, 64.6084, 25.1197.

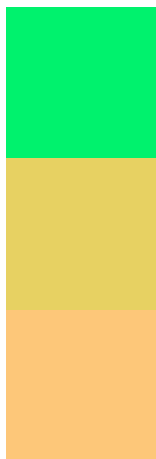


This preview shows how white text looks on a background with the XYZ color 34.5124, 64.6084,

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

34.5124, 64.6084, 25.1197

Protanopia

57.9601, 63.4717, 20.7517

Deuteranopia

64.3826, 63.1100, 26.8773



Tritanopia

49.0973, 64.5735, 97.0650

Trichromacy



Original Color

34.5124, 64.6084, 25.1197



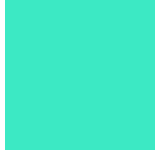
Protanomaly

40.2873, 58.8753, 21.8111



Deuteranomaly

42.2093, 57.4623, 25.6963



Tritanomaly

40.9662, 63.2240, 62.2689

Monochromacy



Original Color

34.5124, 64.6084, 25.1197



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.1834, 39.5495, 30.2459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5124, 64.6084, 25.1197 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, 242, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 109)  
}
```

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, 242, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 109) }
```

Border

The CSS property to change the border of an element to XYZ 34.5124, 64.6084, 25.1197 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, 242, 109) }
```


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

```
.border{ border-color:rgb(0, 242, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5124, 64.6084, 25.1197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 109) }
```

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

```
.background{ background-color: rgb(0, 242,  
109) }
```

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