

Converting Colors

XYZ(27.9355, 61.1535, 19.2953)

Have a look what the booklet for
XYZ(27.9355, 61.1535, 19.2953)
contains.

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Color

**XYZ(33.4724, 64.1924,
19.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	00F257
RGB	0, 242, 87
RGB Percent	0%, 95%, 34%
CMY	1.0000, 0.0510, 0.6588
CMYK	1.00, 0.00, 0.64, 0.05
HSL	142°, 100%, 47%
HSV	142°, 100%, 95%
XYZ	33.4724, 64.1924, 19.6430
YIQ	151.9720, -94.4770, -99.5090

Conversions

Conversions Part 2

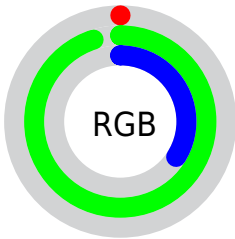
Format	Color
RYB	0, 178, 242
Decimal	62039
CIELab	84.07, -78.23, 59.52
CIELCh	84, 98.296, 142.735
Yxy	64.1924, 0.2853, 0.5472
Android (android.graphics.Color)	4278252119 (0xFF00F257)
YUV	151.9720, -32.0312, -133.2794
Hunter-Lab	80.1202, -65.6370, 41.5480

Details

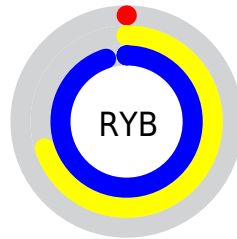
The XYZ color **33.4724, 64.1924, 19.6430** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **42.5361, 21.2447, 32.8704**, and the grayscale version is **29.9976, 31.5598, 34.3686**.

A 20% lighter version of the original color is **47.4525, 76.9837, 37.9495**, and **17.3269, 34.3556, 6.6953** is the 20% darker color. If you saturate the color by 10%, you get **33.4738, 64.1950, 19.6440**, and if you desaturate by 10%, it is **34.5584, 64.6729, 23.3638**.

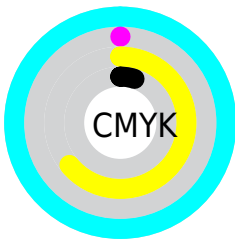
Distribution



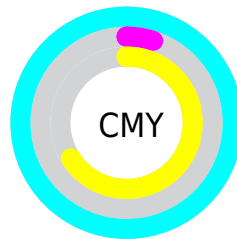
- Red (0%)
- Green (95%)
- Blue (34%)



- Red (0%)
- Yellow (70%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4724, 64.1924, 19.6430 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 33.4724, 64.1924, 19.6430 by changing the saturation by 10% instead.


 33.4724, 64.1924,
19.6430


 33.4724, 64.1924,
19.6430


309.4005,
439.8841, 262.5159

 22.6495, 46.8065,
11.9543


 64.4621, 110.8880,
43.6689


 14.4542, 32.8827,
6.5904


 85.3597, 140.9665,
60.8432


 8.5211, 22.0366,
3.1328


 110.3462,
176.0446, 82.0165

 4.4847, 13.8838,
1.1628

 139.7870,
216.5068, 107.6072

 1.9798, 8.0399,
0.0000

 174.0475,
262.7375, 138.0340

 0.6226, 4.1205,
0.0000

213.4930,

 0.0000, 1.7412,

315.1210, 173.7153

0.0000

258.4889,
374.0417, 215.0698

■ 0.0000, 0.4501,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4724, 64.1924,
19.6430

■ 33.4724, 64.1924,
19.6430

■ 33.4738, 64.1950,
19.6440

■ 34.5584, 64.6729,
23.3638

■ 36.2618, 65.4532,
27.8637

■ 38.7398, 66.6153,
33.1900

■ 42.0877, 68.2076,
39.3832

■ 46.3859, 70.2708,
46.4806

■ 51.7056, 72.8408,
54.5176

■ 58.1106, 75.9499,
63.5272

■ 65.6594, 79.6276,
73.5411

■ 74.4063, 83.9014,
84.5892

Harmonies

Analogous

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



46.2701, 64.1924, 7.4684



33.4724, 64.1924, 19.6430



28.2835, 64.1924, 55.8492

Triad

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



33.4724, 64.1924, 19.6430



55.8883, 64.1924, 267.9933



108.1388, 64.1924, 33.1450

Complementary

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



33.4724, 64.1924, 19.6430



42.5361, 21.2447, 32.8704

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.



112.4511, 64.1924, 86.1170



33.4724, 64.1924, 19.6430



78.5954, 64.1924, 248.1171

Square

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



33.4724, 64.1924, 19.6430



39.0801, 64.1924, 214.5947



100.5955, 64.1924, 170.0556



89.9165, 64.1924, 11.4130

Rectangle

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



33.4724, 64.1924, 19.6430



28.6996, 64.1924, 99.6753



100.5955, 64.1924, 170.0556



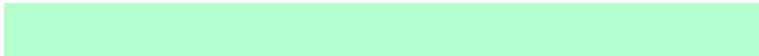
111.4152, 64.1924, 46.7288

Sweetspot

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



33.4739, 64.1950, 19.6445



65.3759, 85.5006, 71.4516



45.7174, 70.7055, 11.2381



13.3085, 17.9679, 14.3471



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.



33.4739, 64.1950, 19.6445



37.6776, 72.2870, 22.0178



42.8581, 67.9487, 69.0608



15.8007, 17.7503, 17.9734



18.0411, 34.5084, 10.8651



1.5468, 2.8892, 1.1458

Inverse Universe

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



42.5361, 21.2447, 32.8704



47.8801, 23.9160, 36.8961



36.9426, 19.0073, 3.4152



16.1990, 15.9293, 18.6043



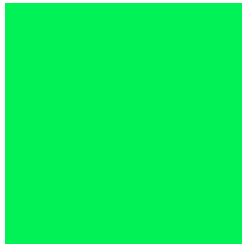
22.9174, 11.4394, 18.0135



1.9539, 0.9706, 1.7480

Previews

White Background



This preview shows how the XYZ color 33.4724, 64.1924, 19.6430 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 33.4724, 64.1924, 19.6430 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 33.4724, 64.1924, 19.6430

Background



This preview shows how black text looks on a background with the XYZ color 33.4724, 64.1924, 19.6430.

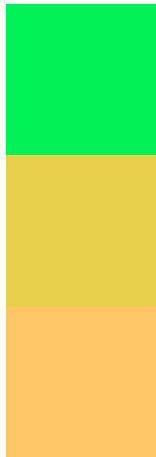


This preview shows how white text looks on a background with the XYZ color 33.4724, 64.1924,

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

33.4724, 64.1924, 19.6430

Protanopia

57.1741, 62.8034, 16.1300

Deuteranopia

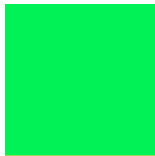
63.9328, 62.6476, 21.8193



Tritanopia

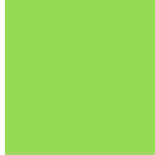
48.8803, 64.0721, 96.1771

Trichromacy



Original Color

33.4724, 64.1924, 19.6430



Protanomaly

39.2911, 58.0764, 16.9236



Deuteranomaly

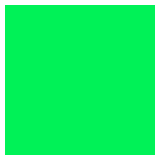
41.1515, 56.6564, 20.3221



Tritanomaly

39.9203, 62.3682, 57.5112

Monochromacy



Original Color

33.4724, 64.1924, 19.6430



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.1750, 38.7978, 26.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4724, 64.1924, 19.6430 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 87) }
```

Border

The CSS property to change the border of an element to XYZ 33.4724, 64.1924, 19.6430 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, 87) }
```


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

```
.border{ border-color:rgb(0, 242, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 242, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4724, 64.1924, 19.6430 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, 87) }
```

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

```
.background{ background-color: rgb(0, 242,  
87) }
```

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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