

Converting Colors

XYZ(34.1568, 65.3985, 20.3729)

Have a look what the booklet for
XYZ(34.1568, 65.3985, 20.3729)
contains.

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Color

**XYZ(34.1539, 65.4226,
20.2789)**

Conversions

Conversions Part 1

Format	Color
Hex	00F459
RGB	0, 244, 89
RGB Percent	0%, 96%, 35%
CMY	0.9999, 0.0431, 0.6510
CMYK	1.00, 0.00, 0.64, 0.04
HSL	142°, 100%, 48%
HSV	142°, 100%, 96%
XYZ	34.1539, 65.4226, 20.2789
YIQ	153.3740, -95.6690, -99.9330

Conversions

Conversions Part 2

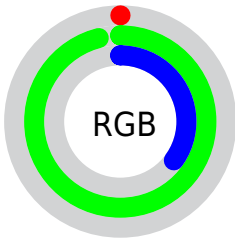
Format	Color
RYB	0, 179, 244
Decimal	62553
CIELab	84.70, -78.59, 59.41
CIELCh	85, 98.513, 142.912
Yxy	65.4226, 0.2850, 0.5458
Android (android.graphics.Color)	4278252633 (0xFF00F459)
YUV	153.3740, -31.7364, -134.5090
Hunter-Lab	80.8842, -66.1746, 41.7541

Details

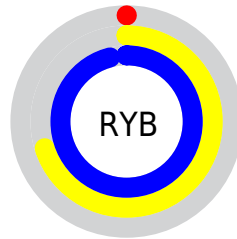
The XYZ color **34.1539, 65.4226, 20.2789** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated green. A complement of this color would be **43.2274, 21.6012, 32.9077**, and the grayscale version is **30.6084, 32.2024, 35.0685**.

A 20% lighter version of the original color is **47.7335, 77.1110, 38.7537**, and **17.7807, 35.2065, 7.0208** is the 20% darker color. If you saturate the color by 10%, you get **34.1549, 65.4250, 20.2783**, and if you desaturate by 10%, it is **35.2630, 65.9129, 24.0957**.

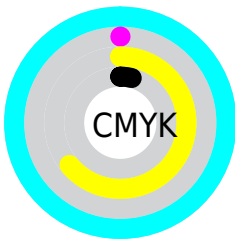
Distribution



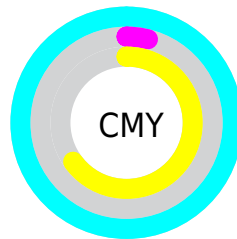
- Red (0%)
- Green (96%)
- Blue (35%)



- Red (0%)
- Yellow (70%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1539, 65.4226, 20.2789 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 34.1539, 65.4226, 20.2789 by changing the saturation by 10% instead.


 34.1539, 65.4226,
20.2789


 34.1539, 65.4226,
20.2789


312.3916,
444.3091, 266.0750


 23.1753, 47.8038,
12.4119


 65.5156, 112.6572,
44.7494


 14.8444, 33.6716,
6.8989


 86.6295, 143.0418,
62.1899

 8.7959, 22.6414,
3.3215


 111.8524,
178.4505, 83.6587

 4.6643, 14.3289,
1.2610

 141.5499,
219.2677, 109.5742

 2.0844, 8.3498,
0.0295

 176.0872,
265.8778, 140.3551

 0.6807, 4.3196,
0.0000

215.8296,

 0.0000, 1.8539,

318.6651, 176.4198

0.0000

261.1427,
378.0140, 218.1869

■ 0.0000, 0.5204,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1539, 65.4226,
20.2789

■ 34.1539, 65.4226,
20.2789

■ 34.1549, 65.4250,
20.2783

■ 35.2630, 65.9129,
24.0957

■ 37.0002, 66.7085,
28.6973

■ 39.5250, 67.8924,
34.1307

■ 42.9342, 69.5139,
40.4363

■ 47.3101, 71.6145,
47.6512

■ 52.7248, 74.2310,
55.8105

■ 59.2435, 77.3960,
64.9472

■ 66.9257, 81.1397,
75.0928

■ 75.8266, 85.4900,
86.2772

Harmonies

Analogous

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



47.1125, 65.4226, 7.7490



34.1539, 65.4226, 20.2789



28.9196, 65.4226, 57.2958

Triad

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



34.1539, 65.4226, 20.2789



57.1031, 65.4226, 272.0304



109.9011, 65.4226, 33.6873

Complementary

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



34.1539, 65.4226, 20.2789



43.2274, 21.6012, 32.9077

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.



114.3705, 65.4226, 87.2673



34.1539, 65.4226, 20.2789



80.1649, 65.4226, 251.4623

Square

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



34.1539, 65.4226, 20.2789



39.9855, 65.4226, 218.3462



102.4400, 65.4226, 172.2276



91.3677, 65.4226, 11.6829

Rectangle

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



34.1539, 65.4226, 20.2789



29.3704, 65.4226, 101.9103



102.4400, 65.4226, 172.2276



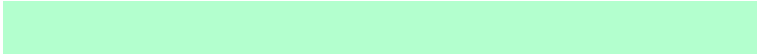
113.2527, 65.4226, 47.4288

Sweetspot

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



34.1555, 65.4253, 20.2804



65.4245, 85.5200, 71.7075



46.5724, 72.0348, 11.4499



13.3198, 17.9725, 14.4069



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.



34.1555, 65.4253, 20.2804



37.7360, 72.3104, 22.3257



43.6643, 69.2288, 70.3530



16.5320, 18.5719, 18.8199



18.6307, 35.5971, 11.3409



1.6851, 3.1477, 1.2474

Inverse Universe

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



43.2274, 21.6012, 32.9077



47.7611, 23.8684, 36.2695



37.6377, 19.3653, 3.4727



16.9422, 16.6597, 19.4422



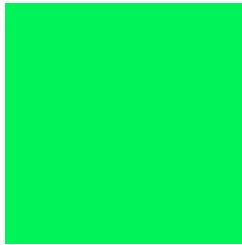
23.5714, 11.7720, 18.2492



2.1210, 1.0543, 1.8634

Previews

White Background



This preview shows how the XYZ color 34.1539, 65.4226, 20.2789 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 34.1539, 65.4226, 20.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

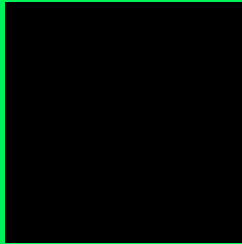
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.1539, 65.4226, 20.2789

Background



This preview shows how black text looks on a background with the XYZ color 34.1539, 65.4226, 20.2789.

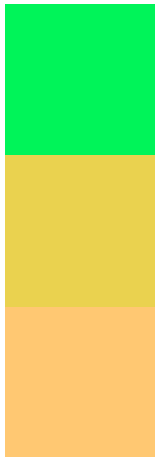


This preview shows how white text looks on a background with the XYZ color 34.1539, 65.4226,

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

34.1539, 65.4226, 20.2789

Protanopia

58.3896, 64.1501, 16.7019

Deuteranopia

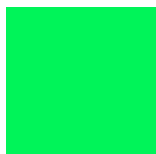
64.9315, 63.7835, 24.8088



Tritanopia

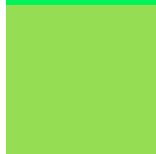
49.5689, 64.7989, 97.8906

Trichromacy



Original Color

34.1539, 65.4226, 20.2789



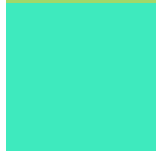
Protanomaly

40.0770, 59.2566, 17.5090



Deuteranomaly

42.0060, 57.8130, 22.3097



Tritanomaly

40.7037, 63.5875, 58.8435

Monochromacy



Original Color

34.1539, 65.4226, 20.2789



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.5179, 39.2709, 27.3015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1539, 65.4226, 20.2789 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, 244, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 89)  
}
```

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, 244, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 89) }
```

Border

The CSS property to change the border of an element to XYZ 34.1539, 65.4226, 20.2789 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, 244, 89) }
```


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

```
.border{ border-color:rgb(0, 244, 89) }
```

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

Here you see how a box with a 4 pixel rgb(0, 244, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 244, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.1539, 65.4226, 20.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 89) }
```

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

```
.background{ background-color: rgb(0, 244,  
89) }
```

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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