

Converting Colors

XYZ(35.6699, 63.9829, 34.5703)

Have a look what the booklet for
XYZ(35.6699, 63.9829, 34.5703)
contains.

XYZ(35.7475, 64.1552, 34.5439)	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(35.7475, 64.1552,
34.5439)**

Conversions

Conversions Part 1

Format	Color
Hex	00F08A
RGB	0, 240, 138
RGB Percent	0%, 94%, 54%
CMY	1.0000, 0.0588, 0.4588
CMYK	1.00, 0.00, 0.42, 0.06
HSL	154°, 100%, 47%
HSV	154°, 100%, 94%
XYZ	35.7475, 64.1552, 34.5439
YIQ	156.6120, -110.2980, -82.6020

Conversions

Conversions Part 2

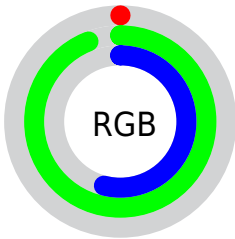
Format	Color
RYB	0, 152, 240
Decimal	61578
CIELab	84.05, -70.32, 36.09
CIELCh	84, 79.039, 152.833
Yxy	64.1552, 0.2659, 0.4772
Android (android.graphics.Color)	4278251658 (0xFF00F08A)
YUV	156.6120, -9.1757, -137.3487
Hunter-Lab	80.0969, -60.5046, 30.4975

Details

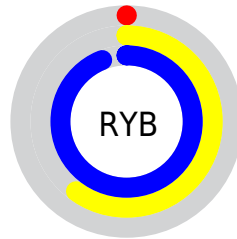
The XYZ color **35.7475, 64.1552, 34.5439** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark saturated spring green. A complement of this color would be **38.3357, 19.4859, 14.3146**, and the grayscale version is **31.9515, 33.6155, 36.6073**.

A 20% lighter version of the original color is **51.8300, 78.7053, 62.3291**, and **18.4077, 34.1278, 14.4212** is the 20% darker color. If you saturate the color by 10%, you get **35.7486, 64.1575, 34.5433**, and if you desaturate by 10%, it is **36.8997, 64.6616, 38.6376**.

Distribution



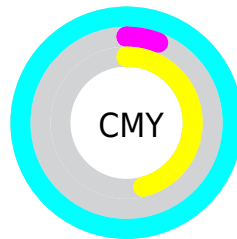
- Red (0%)
- Green (94%)
- Blue (54%)



- Red (0%)
- Yellow (60%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7475, 64.1552, 34.5439 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 35.7475, 64.1552, 34.5439 by changing the saturation by 10% instead.


 35.7475, 64.1552,
34.5439


 35.7475, 64.1552,
34.5439


319.3061,
439.7499, 337.3934


 24.4085, 46.7764,
23.0310


 67.9686, 110.8344,
67.9221


 15.7633, 32.8589,
14.4109


 89.5813, 140.9036,
90.6245


 9.4466, 22.0184,
8.2650


 115.3494,
175.9717, 117.8939

 5.0930, 13.8704,
4.1748

 145.6380,
216.4232, 150.1487

 2.3373, 8.0306,
1.7217

 180.8127,
262.6423, 187.8075

 0.8136, 4.1145,
0.3755

221.2387,

 0.0000, 1.7378,

315.0135, 231.2889

0.0000

267.2813,
373.9213, 281.0113

■ 0.0000, 0.4480,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7475, 64.1552,
34.5439

■ 35.7475, 64.1552,
34.5439

■ 35.7486, 64.1575,
34.5433

■ 36.8997, 64.6616,
38.6376

■ 38.5873, 65.4339,
43.1267

■ 40.9592, 66.5506,
48.0287

■ 44.1037, 68.0570,
53.3566

■ 48.0951, 69.9912,
59.1224

■ 52.9984, 72.3864,
65.3375

■ 58.8723, 75.2728,
72.0127

■ 65.7700, 78.6778,
79.1583

■ 73.7412, 82.6265,
86.7842

Harmonies

Analogous

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



44.5452, 64.1552, 16.2475



35.7475, 64.1552, 34.5439



33.2460, 64.1552, 74.7085

Triad

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



35.7475, 64.1552, 34.5439



62.6499, 64.1552, 216.3483



93.7118, 64.1552, 29.6540

Complementary

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



35.7475, 64.1552, 34.5439



38.3357, 19.4859, 14.3146

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.



100.9698, 64.1552, 65.2147



35.7475, 64.1552, 34.5439



81.0231, 64.1552, 185.5901

Square

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



35.7475, 64.1552, 34.5439



46.9142, 64.1552, 194.8441



95.9361, 64.1552, 123.5093



77.6032, 64.1552, 14.5178

Rectangle

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



35.7475, 64.1552, 34.5439



35.0022, 64.1552, 114.1341



95.9361, 64.1552, 123.5093



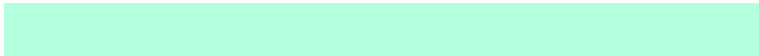
97.3929, 64.1552, 38.8250

Sweetspot

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



35.7491, 64.1578, 34.5454



67.4851, 86.3443, 82.5585



36.8714, 65.2663, 10.6547



13.8054, 18.1667, 16.9639



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.



35.7491, 64.1578, 34.5454



40.9967, 73.6147, 39.4959



42.3859, 59.6055, 91.7124



15.9469, 17.8088, 18.7431



19.6365, 35.1466, 19.2667



1.6832, 2.9437, 1.8643

Inverse Universe

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



38.3357, 19.4859, 14.3146



43.9671, 22.3508, 16.2905



36.1221, 18.8970, 1.7440



16.0516, 15.8703, 17.8279



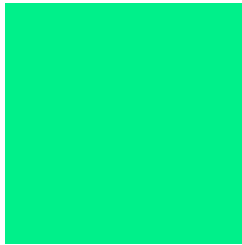
21.0478, 10.6916, 8.1684



1.7997, 0.9089, 0.9362

Previews

White Background



This preview shows how the XYZ color 35.7475, 64.1552, 34.5439 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 35.7475, 64.1552, 34.5439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

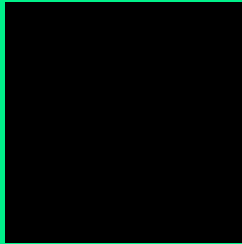
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.7475, 64.1552, 34.5439

Background



This preview shows how black text looks on a background with the XYZ color 35.7475, 64.1552, 34.5439.



This preview shows how white text looks on a background with the XYZ color 35.7475, 64.1552,

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

35.7475, 64.1552, 34.5439

Protanopia

58.0003, 62.9490, 28.8321

Deuteranopia

64.1265, 62.7591, 36.7509



Tritanopia

48.1281, 63.6667, 96.9411

Trichromacy



Original Color

35.7475, 64.1552, 34.5439



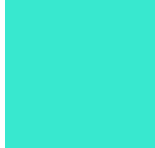
Protanomaly

41.1241, 58.7274, 30.2871



Deuteranomaly

42.9852, 57.2748, 35.1751



Tritanomaly

41.7500, 63.0590, 69.0026

Monochromacy



Original Color

35.7475, 64.1552, 34.5439



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.5309, 40.4520, 35.1584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7475, 64.1552, 34.5439 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, 240, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 138)  
}
```

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, 240, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 138) }
```

Border

The CSS property to change the border of an element to XYZ 35.7475, 64.1552, 34.5439 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, 240, 138) }
```


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

```
.border{ border-color:rgb(0, 240, 138) }
```

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

Here you see how a box with a 4 pixel rgb(0, 240, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7475, 64.1552, 34.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 138) }
```

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

```
.background{ background-color: rgb(0, 240,  
138) }
```

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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