

Converting Colors

XYZ(35.4645, 66.3329, 25.9905)

Have a look what the booklet for
XYZ(35.4645, 66.3329, 25.9905)
contains.

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Color

**XYZ(35.5217, 66.4525,
25.9934)**

Conversions

Conversions Part 1

Format	Color
Hex	00F56F
RGB	0, 245, 111
RGB Percent	0%, 96%, 44%
CMY	0.9999, 0.0392, 0.5647
CMYK	1.00, 0.00, 0.55, 0.04
HSL	147°, 100%, 48%
HSV	147°, 100%, 96%
XYZ	35.5217, 66.4525, 25.9934
YIQ	156.4690, -103.0060, -93.6140

Conversions

Conversions Part 2

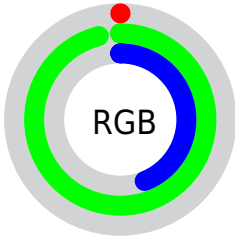
Format	Color
RYB	0, 169, 245
Decimal	62831
CIELab	85.23, -76.17, 50.46
CIELCh	85, 91.366, 146.476
Yxy	66.4525, 0.2776, 0.5193
Android (android.graphics.Color)	4278252911 (0xFF00F56F)
YUV	156.4690, -22.4162, -137.2233
Hunter-Lab	81.5184, -64.8757, 38.1574

Details

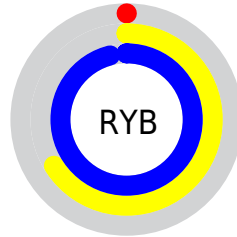
The XYZ color **35.5217, 66.4525, 25.9934** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **41.9621, 21.1353, 24.4286**, and the grayscale version is **31.9432, 33.6067, 36.5977**.

A 20% lighter version of the original color is **49.3616, 77.7473, 48.0024**, and **18.5340, 35.8461, 9.9451** is the 20% darker color. If you saturate the color by 10%, you get **35.5226, 66.4549, 25.9921**, and if you desaturate by 10%, it is **36.7065, 66.9734, 30.1958**.

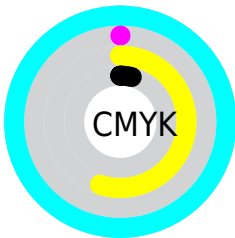
Distribution



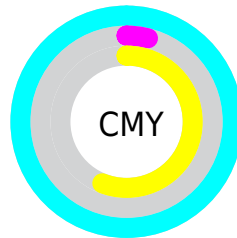
- Red (0%)
- Green (96%)
- Blue (44%)



- Red (0%)
- Yellow (66%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5217, 66.4525, 25.9934 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 35.5217, 66.4525, 25.9934 by changing the saturation by 10% instead.


 35.5217, 66.4525,
25.9934


 35.5217, 66.4525,
25.9934


318.3330,
447.9934, 296.3541


 24.2334, 48.6398,
16.5930


 67.6219, 114.1355,
54.2483


 15.6325, 34.3339,
9.7858


 89.1645, 144.7747,
73.9398


 9.3537, 23.1502,
5.1535


 114.8560,
180.4582, 97.8987

 5.0315, 14.7044,
2.2773

 145.0616,
221.5703, 126.5437

 2.3007, 8.6122,
0.7184

 180.1467,
268.4955, 160.2931

 0.7950, 4.4891,
0.0000

220.4768,

 0.0000, 1.9508,

321.6181, 199.5657

0.0000

266.4171,
381.3227, 244.7798

■ 0.0000, 0.5786,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.5217, 66.4525,
25.9934

■ 35.5217, 66.4525,
25.9934

■ 35.5226, 66.4549,
25.9921

■ 36.7065, 66.9734,
30.1958

■ 38.4946, 67.7901,
35.0270

■ 41.0435, 68.9852,
40.5186

■ 44.4486, 70.6074,
46.6963

■ 48.7902, 72.6976,
53.5846

■ 54.1390, 75.2918,
61.2063

■ 60.5584, 78.4224,
69.5832

■ 68.1066, 82.1189,
78.7359

■ 76.8374, 86.4086,
88.6846

Harmonies

Analogous

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



47.0716, 66.4525, 10.8580



35.5217, 66.4525, 25.9934



31.2588, 66.4525, 65.5939

Triad

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



35.5217, 66.4525, 25.9934



60.7538, 66.4525, 255.3594



105.7504, 66.4525, 32.5981

Complementary

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



35.5217, 66.4525, 25.9934



41.9621, 21.1353, 24.4286

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.



111.6177, 66.4525, 79.5665



35.5217, 66.4525, 25.9934



82.5534, 66.4525, 229.1799

Square

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



35.5217, 66.4525, 25.9934



43.6844, 66.4525, 214.4448



102.3491, 66.4525, 155.0065



87.7063, 66.4525, 12.9520

Rectangle

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



35.5217, 66.4525, 25.9934



32.2414, 66.4525, 109.6065



102.3491, 66.4525, 155.0065



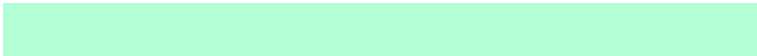
109.3611, 66.4525, 44.6749

Sweetspot

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



35.5233, 66.4552, 25.9949



66.2652, 85.8563, 76.1346



42.6069, 70.4384, 11.3509



13.5170, 18.0513, 15.4449



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.



35.5233, 66.4552, 25.9949



38.8847, 72.7699, 28.3744



47.3268, 71.1766, 88.1513



16.5943, 18.5969, 19.1481



19.2038, 35.8264, 14.3588



1.7389, 3.1692, 1.5311

Inverse Universe

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



41.9621, 21.1353, 24.4286



45.9352, 23.1381, 26.6543



37.7258, 19.4408, 2.1205



16.8784, 16.6342, 19.1061



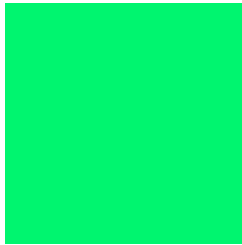
22.6754, 11.4136, 13.5311



2.0448, 1.0239, 1.4620

Previews

White Background



This preview shows how the XYZ color 35.5217, 66.4525, 25.9934 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 35.5217, 66.4525, 25.9934 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 35.5217, 66.4525, 25.9934

Background



This preview shows how black text looks on a background with the XYZ color 35.5217, 66.4525, 25.9934.

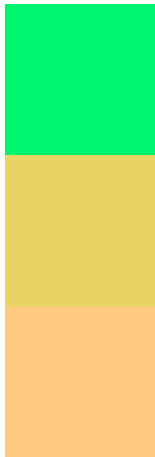


This preview shows how white text looks on a background with the XYZ color 35.5217, 66.4525,

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

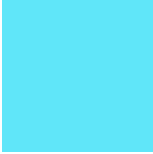
35.5217, 66.4525, 25.9934

Protanopia

59.5262, 65.0011, 21.4657

Deuteranopia

66.1913, 65.0334, 29.1427



Tritanopia

50.2196, 65.9200, 99.6995

Trichromacy



Original Color

35.5217, 66.4525, 25.9934



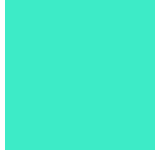
Protanomaly

41.2808, 60.1644, 22.5339



Deuteranomaly

43.4229, 59.2047, 27.2282



Tritanomaly

41.9416, 64.5323, 64.2783

Monochromacy



Original Color

35.5217, 66.4525, 25.9934



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

27.8624, 40.5125, 31.1621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5217, 66.4525, 25.9934 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 111) }
```

Border

The CSS property to change the border of an element to XYZ 35.5217, 66.4525, 25.9934 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, 111) }
```


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

```
.border{ border-color:rgb(0, 245, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5217, 66.4525, 25.9934 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, 111) }
```

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

```
.background{ background-color: rgb(0, 245,  
111) }
```

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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