

Converting Colors

XYZ(35.6430, 66.4043, 26.9304)

Have a look what the booklet for
XYZ(35.6430, 66.4043, 26.9304)
contains.

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Color

**XYZ(35.6897, 66.5197,
26.8781)**

Conversions

Conversions Part 1

Format	Color
Hex	00F572
RGB	0, 245, 114
RGB Percent	0%, 96%, 45%
CMY	0.9999, 0.0392, 0.5529
CMYK	1.00, 0.00, 0.53, 0.04
HSL	148°, 100%, 48%
HSV	148°, 100%, 96%
XYZ	35.6897, 66.5197, 26.8781
YIQ	156.8110, -103.9690, -92.6810

Conversions

Conversions Part 2

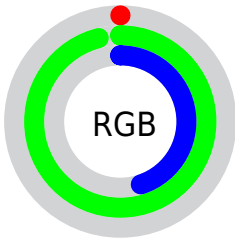
Format	Color
RYB	0, 167, 245
Decimal	62834
CIELab	85.26, -75.75, 49.13
CIELCh	85, 90.284, 147.035
Yxy	66.5197, 0.2765, 0.5153
Android (android.graphics.Color)	4278252914 (0xFF00F572)
YUV	156.8110, -21.1058, -137.5232
Hunter-Lab	81.5596, -64.6194, 37.5526

Details

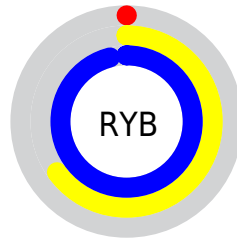
The XYZ color **35.6897, 66.5197, 26.8781** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **41.7558, 21.0528, 23.3421**, and the grayscale version is **32.0916, 33.7628, 36.7677**.

A 20% lighter version of the original color is **49.6379, 77.8579, 49.4577**, and **18.6126, 35.8776, 10.3590** is the 20% darker color. If you saturate the color by 10%, you get **35.6906, 66.5221, 26.8768**, and if you desaturate by 10%, it is **36.8804, 67.0429, 31.1112**.

Distribution



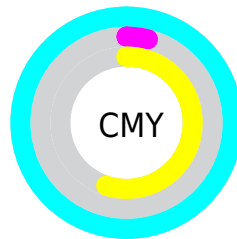
- Red (0%)
- Green (96%)
- Blue (45%)



- Red (0%)
- Yellow (65%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (4%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6897, 66.5197, 26.8781 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 35.6897, 66.5197, 26.8781 by changing the saturation by 10% instead.


 35.6897, 66.5197,
26.8781


 35.6897, 66.5197,
26.8781


319.0572,
448.2332, 300.8079


 24.3636, 48.6944,
17.2501


 67.8799, 114.2319,
55.6896


 15.7298, 34.3771,
10.2491


 89.4747, 144.8876,
75.7101


 9.4228, 23.1835,
5.4567


 115.2231,
180.5889, 100.0318

 5.0773, 14.7290,
2.4542

 145.4905,
221.7202, 129.0733

 2.3279, 8.6294,
0.8158

 180.6423,
268.6659, 163.2531

 0.8089, 4.5003,
0.0000

221.0438,

 0.0000, 1.9572,

321.8104, 202.9898

0.0000

267.0603,
381.5380, 248.7019

■ 0.0000, 0.5824,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.6897, 66.5197,
26.8781

■ 35.6897, 66.5197,
26.8781

■ 35.6906, 66.5221,
26.8768

■ 36.8804, 67.0429,
31.1112

■ 38.6700, 67.8603,
35.9507

■ 41.2159, 69.0542,
41.4264

■ 44.6131, 70.6732,
47.5627

■ 48.9417, 72.7582,
54.3822

■ 54.2720, 75.3451,
61.9066

■ 60.6673, 78.4660,
70.1563

■ 68.1855, 82.1504,
79.1507

■ 76.8800, 86.4257,
88.9087

Harmonies

Analogous

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



47.0160, 66.5197, 11.3656



35.6897, 66.5197, 26.8781



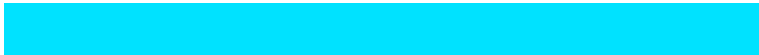
31.5798, 66.5197, 66.7697

Triad

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



35.6897, 66.5197, 26.8781



61.2169, 66.5197, 252.5692



105.0067, 66.5197, 32.4200

Complementary

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



35.6897, 66.5197, 26.8781



41.7558, 21.0528, 23.3421

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.



111.0580, 66.5197, 78.3986



35.6897, 66.5197, 26.8781



82.7873, 66.5197, 225.6955

Square

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



35.6897, 66.5197, 26.8781



44.1890, 66.5197, 213.5196



102.1858, 66.5197, 152.3876



87.0667, 66.5197, 13.1421

Rectangle

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



35.6897, 66.5197, 26.8781



32.6420, 66.5197, 110.5840



102.1858, 66.5197, 152.3876



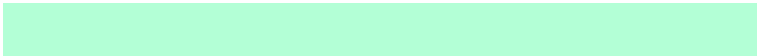
108.6463, 66.5197, 44.2466

Sweetspot

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



35.6913, 66.5224, 26.8796



66.3846, 85.9041, 76.7632



42.6069, 70.4384, 11.3509



13.5451, 18.0626, 15.5929



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.



35.6913, 66.5224, 26.8796



39.0685, 72.8434, 29.3422



47.3268, 71.1766, 88.1513



16.6030, 18.6004, 19.1939



19.2950, 35.8628, 14.8389



1.7472, 3.1725, 1.5748

Inverse Universe

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



41.7558, 21.0528, 23.3421



45.7092, 23.0477, 25.4646



37.7258, 19.4408, 2.1205



16.8696, 16.6307, 19.0598



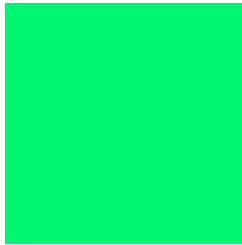
22.5642, 11.3691, 12.9452



2.0351, 1.0200, 1.4111

Previews

White Background



This preview shows how the XYZ color 35.6897, 66.5197, 26.8781 looks on a white background.

Color Contrast Check

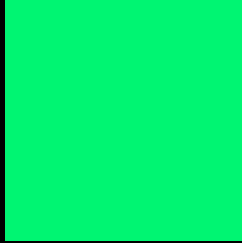
Large Text (above 18pt) WCAG AA × Fail

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 35.6897, 66.5197, 26.8781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

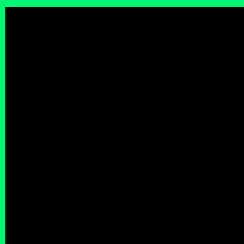
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6897, 66.5197, 26.8781

Background



This preview shows how black text looks on a background with the XYZ color 35.6897, 66.5197, 26.8781.



This preview shows how white text looks on a background with the XYZ color 35.6897, 66.5197,

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

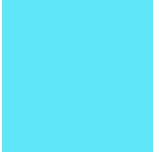
35.6897, 66.5197, 26.8781

Protanopia

59.3467, 64.8914, 22.2294

Deuteranopia

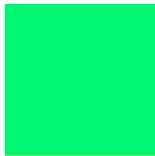
66.3230, 65.0860, 29.8361



Tritanopia

50.3941, 66.4243, 99.7877

Trichromacy



Original Color

35.6897, 66.5197, 26.8781



Protanomaly

41.2543, 60.1328, 23.3424



Deuteranomaly

43.6098, 59.2794, 28.2124



Tritanomaly

42.2843, 65.1217, 64.9847

Monochromacy



Original Color

35.6897, 66.5197, 26.8781



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.2608, 41.0276, 31.6289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6897, 66.5197, 26.8781 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 114) }
```

Border

The CSS property to change the border of an element to XYZ 35.6897, 66.5197, 26.8781 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, 114) }
```


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

```
.border{ border-color:rgb(0, 245, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6897, 66.5197, 26.8781 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, 114) }
```

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

```
.background{ background-color: rgb(0, 245,  
114) }
```

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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