

Converting Colors

XYZ(35.9201, 69.0555, 20.5587)

Have a look what the booklet for
XYZ(35.9201, 69.0555, 20.5587)
contains.

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Color

**XYZ(35.9059, 69.0593,
20.4542)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA57
RGB	0, 250, 87
RGB Percent	0%, 98%, 34%
CMY	1.0000, 0.0196, 0.6588
CMYK	1.00, 0.00, 0.65, 0.02
HSL	141°, 100%, 49%
HSV	141°, 100%, 98%
XYZ	35.9059, 69.0593, 20.4542
YIQ	156.6680, -96.6770, -103.6930

Conversions

Conversions Part 2

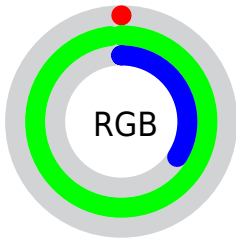
Format	Color
RYB	0, 185, 250
Decimal	64087
CIELab	86.53, -80.51, 62.24
CIELCh	87, 101.759, 142.293
Yxy	69.0593, 0.2863, 0.5506
Android (android.graphics.Color)	4278254167 (0xFF00FA57)
YUV	156.6680, -34.3463, -137.3978
Hunter-Lab	83.1019, -68.3038, 43.5781

Details

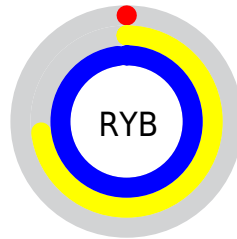
The XYZ color **35.9059, 69.0593, 20.4542** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **46.0374, 22.9695, 36.6607**, and the grayscale version is **32.0814, 33.7521, 36.7560**.

A 20% lighter version of the original color is **47.9204, 77.2162, 38.3651**, and **19.0145, 37.7652, 7.1514** is the 20% darker color. If you saturate the color by 10%, you get **35.9072, 69.0620, 20.4547**, and if you desaturate by 10%, it is **37.0516, 69.5661, 24.3873**.

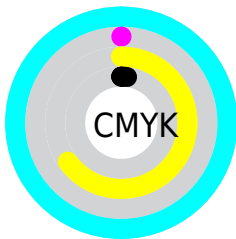
Distribution



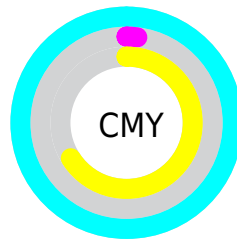
- Red (0%)
- Green (98%)
- Blue (34%)



- Red (0%)
- Yellow (73%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9059, 69.0593, 20.4542 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 35.9059, 69.0593, 20.4542 by changing the saturation by 10% instead.


 35.9059, 69.0593,
20.4542


 35.9059, 69.0593,
20.4542


319.9875,
457.2401, 267.0486


 24.5313, 50.7600,
12.5383


 68.2116, 117.8663,
45.0463


 15.8551, 36.0176,
6.9844


 89.8735, 149.1427,
62.5596


 9.5119, 24.4478,
3.3741


 115.6951,
185.5137, 84.1091

 5.1363, 15.6661,
1.2887

 146.0418,
227.3636, 110.1133

 2.3630, 9.2882,
0.0525

 181.2791,
275.0768, 140.9909

 0.8266, 4.9297,
0.0000

221.7722,

 0.0000, 2.2060,

329.0377, 177.1602

0.0000

267.8866,
389.6306, 219.0399

■ 0.0000, 0.7233,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9059, 69.0593,
20.4542

■ 35.9059, 69.0593,
20.4542

■ 35.9072, 69.0620,
20.4547

■ 37.0516, 69.5661,
24.3873

■ 38.8691, 70.3987,
29.1839

■ 41.5266, 71.6450,
34.8979

■ 45.1280, 73.3575,
41.5756

■ 49.7611, 75.5807,
49.2600

■ 55.5032, 78.3536,
57.9910

■ 62.4239, 81.7112,
67.8069

■ 70.5870, 85.6858,
78.7433

■ 80.0514, 90.3071,
90.8348

Harmonies

Analogous

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



49.8981, 69.0593, 7.6783



35.9059, 69.0593, 20.4542



30.1807, 69.0593, 59.0898

Triad

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



35.9059, 69.0593, 20.4542



59.7442, 69.0593, 291.2250



117.1611, 69.0593, 35.9094

Complementary

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



35.9059, 69.0593, 20.4542



46.0374, 22.9695, 36.6607

Split Complementary

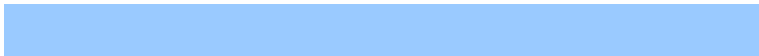
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121.5999, 69.0593, 93.9864



35.9059, 69.0593, 20.4542



84.3840, 69.0593, 270.6849

Square

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



35.9059, 69.0593, 20.4542



41.6299, 69.0593, 231.8084



108.4399, 69.0593, 185.8541



97.4580, 69.0593, 12.1455

Rectangle

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



35.9059, 69.0593, 20.4542



30.5576, 69.0593, 106.3666



108.4399, 69.0593, 185.8541



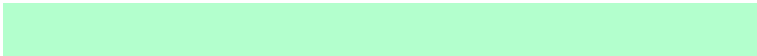
120.6521, 69.0593, 50.7974

Sweetspot

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



35.9076, 69.0621, 20.4558



65.2692, 85.4579, 70.8896



50.0542, 76.5537, 12.1384



13.2836, 17.9580, 14.2160



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.



35.9076, 69.0621, 20.4558



37.5522, 72.2369, 21.3577



45.6139, 72.9447, 71.5685



17.2667, 19.4090, 19.6053



19.1067, 36.6557, 11.1711



1.8176, 3.4141, 1.2872

Inverse Universe

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



46.0374, 22.9695, 36.6607



48.1469, 24.0228, 38.3014



39.8381, 20.4898, 4.0152



17.7215, 17.4159, 20.3890



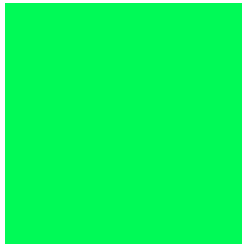
24.4892, 12.2114, 19.8162



2.3182, 1.1510, 2.0988

Previews

White Background



This preview shows how the XYZ color 35.9059, 69.0593, 20.4542 looks on a white background.

Color Contrast Check

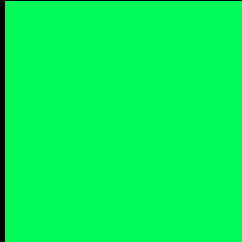
Large Text (above 18pt) WCAG AA × Fail

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 35.9059, 69.0593, 20.4542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

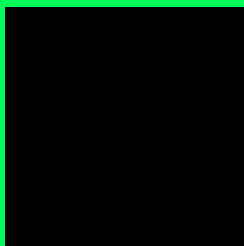
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.9059, 69.0593, 20.4542

Background



This preview shows how black text looks on a background with the XYZ color 35.9059, 69.0593, 20.4542.

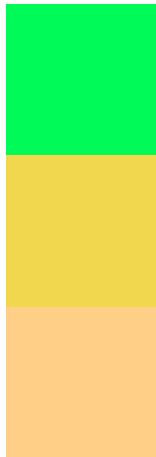


This preview shows how white text looks on a background with the XYZ color 35.9059, 69.0593,

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

35.9059, 69.0593, 20.4542

Protanopia

61.5752, 67.6620, 16.8359

Deuteranopia

67.6845, 67.1519, 32.3159



Tritanopia

52.5193, 68.7042, 103.4217

Trichromacy



Original Color

35.9059, 69.0593, 20.4542



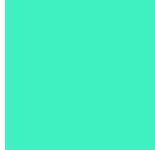
Protanomaly

42.3655, 62.8532, 17.6836



Deuteranomaly

44.2916, 61.2319, 26.6241



Tritanomaly

42.9001, 67.2604, 61.1736

Monochromacy



Original Color

35.9059, 69.0593, 20.4542



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.0512, 41.6369, 28.3881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9059, 69.0593, 20.4542 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, 250, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 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, 250, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 87) }
```

Border

The CSS property to change the border of an element to XYZ 35.9059, 69.0593, 20.4542 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, 250, 87) }
```


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

```
.border{ border-color:rgb(0, 250, 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, 250, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 250, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.9059, 69.0593, 20.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 87) }
```

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

```
.background{ background-color: rgb(0, 250,  
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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