

Converting Colors

XYZ(35.7143, 68.2094, 15.5226)

Have a look what the booklet for
XYZ(35.7143, 68.2094, 15.5226)
contains.

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Color

**XYZ(35.6984, 68.1392,
15.5456)**

Conversions

Conversions Part 1

Format	Color
Hex	32F83C
RGB	50, 248, 60
RGB Percent	20%, 97%, 24%
CMY	0.8039, 0.0274, 0.7647
CMYK	0.80, 0.00, 0.76, 0.03
HSL	123°, 93%, 58%
HSV	123°, 80%, 97%
XYZ	35.6984, 68.1392, 15.5456
YIQ	167.3660, -57.6600, -100.4440

Conversions

Conversions Part 2

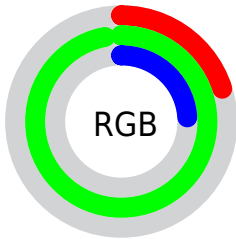
Format	Color
RYB	50, 238, 248
Decimal	3340348
CIELab	86.08, -79.23, 71.46
CIElCh	86, 106.699, 137.952
Yxy	68.1392, 0.2990, 0.5708
Android (android.graphics.Color)	4281530428 (0xFF32F83C)
YUV	167.3660, -52.9314, -102.9300
Hunter-Lab	82.5465, -67.2615, 46.6167

Details

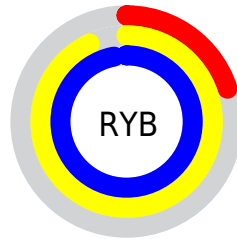
The XYZ color **35.6984, 68.1392, 15.5456** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55.2858, 28.4114, 83.4569**, and the grayscale version is **37.1815, 39.1178, 42.5993**.

A 20% lighter version of the original color is **48.5102, 77.7014, 30.2104**, and **18.4135, 36.8269, 6.1378** is the 20% darker color. If you saturate the color by 10%, you get **34.3002, 67.4770, 12.9227**, and if you desaturate by 10%, it is **38.0377, 69.2586, 19.6597**.

Distribution



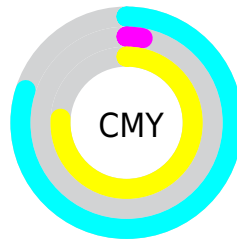
- Red (20%)
- Green (97%)
- Blue (24%)



- Red (20%)
- Yellow (93%)
- Blue (97%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)
- Black (3%)





- Cyan (80%)
- Magenta (3%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6984, 68.1392, 15.5456 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 35.6984, 68.1392, 15.5456 by changing the saturation by 10% instead.


 35.6984, 68.1392,
15.5456


 35.6984, 68.1392,
15.5456


319.0947,
453.9890, 238.3987


 24.3704, 50.0110,
9.0523


 67.8932, 116.5513,
36.5633

 15.7348, 35.4221,
4.6781


 89.4907, 147.6039,
51.9247


 9.4264, 23.9882,
2.0042


 115.2421,
183.7335, 71.0794

 5.0796, 15.3249,
0.5579

 145.5127,
225.3243, 94.4457

 2.3293, 9.0477,
0.0000

 180.6680,
272.7610, 122.4423

 0.8096, 4.7723,
0.0000

221.0731,

 0.0000, 2.1143,

326.4277, 155.4876

0.0000

267.0936,
386.7089, 194.0002

■ 0.0000, 0.6727,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.6984, 68.1392,
15.5456

■ 35.6984, 68.1392,
15.5456

■ 34.3002, 67.4770,
12.9227

■ 38.0377, 69.2586,
19.6597


■ 33.6459, 67.1690,
11.5694


■ 41.4395, 70.8879,
25.4366


■ 33.6385, 67.1655,
11.5565


■ 46.0121, 73.0818,
33.0291


■ 51.8491, 75.8858,
42.5720

 59.0349, 79.3406,
54.1869

 67.6464, 83.4834,
67.9857

 77.7548, 88.3489,
84.0723

 89.4264, 93.9691,
102.5439

 92.8588, 95.6176,
108.1696

Harmonies

Analogous

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



51.3004, 68.1392, 5.6253



35.6984, 68.1392, 15.5456



28.7494, 68.1392, 49.4394

Triad

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



35.6984, 68.1392, 15.5456



55.4187, 68.1392, 299.8691



120.7236, 68.1392, 39.8888

Complementary

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



35.6984, 68.1392, 15.5456



55.2858, 28.4114, 83.4569

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.



122.6359, 68.1392, 106.0735



35.6984, 68.1392, 15.5456



80.3991, 68.1392, 290.8344

Square

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



35.6984, 68.1392, 15.5456



38.0552, 68.1392, 226.2780



106.4316, 68.1392, 206.2334



101.7243, 68.1392, 12.3301

Rectangle

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



35.6984, 68.1392, 15.5456



28.4104, 68.1392, 94.4691



106.4316, 68.1392, 206.2334



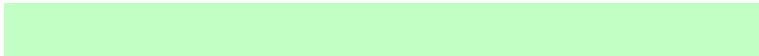
123.5332, 68.1392, 57.0463

Sweetspot

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



35.7000, 68.1420, 15.5471



68.0226, 86.9892, 65.9645



69.4395, 85.5631, 15.8731



13.8708, 18.2879, 13.0145



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.



35.7000, 68.1420, 15.5471



36.0381, 71.6460, 12.7180



41.1337, 70.3155, 44.1609



17.0529, 19.3234, 18.4793



18.1854, 36.2872, 6.3195



1.6964, 3.3657, 0.6490

Inverse Universe

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



55.2858, 28.4114, 83.4569



57.4722, 27.9300, 86.8614



44.5213, 24.1056, 26.7715



17.9529, 17.5085, 21.6078



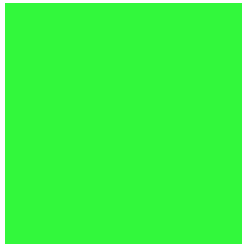
29.0651, 14.0418, 43.9127



2.7032, 1.3050, 4.1267

Previews

White Background



This preview shows how the XYZ color 35.6984, 68.1392, 15.5456 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 35.6984, 68.1392, 15.5456 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 35.6984, 68.1392, 15.5456

Background



This preview shows how black text looks on a background with the XYZ color 35.6984, 68.1392, 15.5456.



This preview shows how white text looks on a background with the XYZ color 35.6984, 68.1392,

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

35.6984, 68.1392, 15.5456

Protanopia

60.2407, 66.6829, 12.8280

Deuteranopia

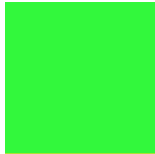
66.8372, 66.4290, 29.0380



Tritanopia

52.3868, 67.4335, 100.6974

Trichromacy



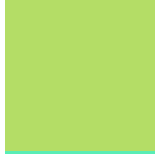
Original Color

35.6984, 68.1392, 15.5456



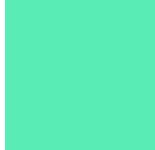
Protanomaly

44.4398, 63.2051, 13.3476



Deuteranomaly

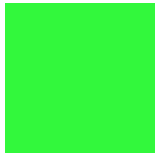
47.0771, 62.3755, 22.1288



Tritanomaly

42.7445, 66.0284, 54.2080

Monochromacy



Original Color

35.6984, 68.1392, 15.5456



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

31.9484, 45.3235, 27.4865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6984, 68.1392, 15.5456 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(50, 248, 60)` looks like.

```
.text, #text, p{  
    color:rgb(50, 248, 60)  
}
```

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(50, 248, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 248, 60) }
```

Border

The CSS property to change the border of an element to XYZ 35.6984, 68.1392, 15.5456 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(50, 248, 60) }
```


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

```
.border{ border-color:rgb(50, 248, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 248, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 248, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 248, 60);  
box-shadow:4px 4px 4px 4px rgb(50, 248,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6984, 68.1392, 15.5456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 248, 60) }
```

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

```
.background{ background-color: rgb(50, 248,  
60) }
```

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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