

Converting Colors

XYZ(35.5884, 65.8214, 15.5317)

Have a look what the booklet for
XYZ(35.5884, 65.8214, 15.5317)
contains.

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Color

**XYZ(35.6203, 65.8378,
15.5332)**

Conversions

Conversions Part 1

Format	Color
Hex	48F33F
RGB	72, 243, 63
RGB Percent	28%, 95%, 25%
CMY	0.7176, 0.0470, 0.7529
CMYK	0.70, 0.00, 0.74, 0.05
HSL	117°, 88%, 60%
HSV	117°, 74%, 95%
XYZ	35.6203, 65.8378, 15.5332
YIQ	171.3510, -44.1360, -92.2320

Conversions

Conversions Part 2

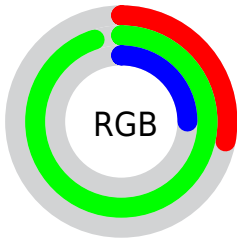
Format	Color
RYB	63, 243, 234
Decimal	4780863
CIELab	84.91, -74.49, 69.49
CIELCh	85, 101.864, 136.989
Yxy	65.8378, 0.3045, 0.5628
Android (android.graphics.Color)	4282970943 (0xFF48F33F)
YUV	171.3510, -53.4170, -87.1308
Hunter-Lab	81.1405, -63.6352, 45.4481

Details

The XYZ color **35.6203, 65.8378, 15.5332** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **51.8915, 27.5214, 87.3747**, and the grayscale version is **39.1634, 41.2029, 44.8700**.

A 20% lighter version of the original color is **50.6005, 78.7648, 30.9486**, and **17.3490, 34.6979, 5.7830** is the 20% darker color. If you saturate the color by 10%, you get **33.6758, 64.8992, 12.6460**, and if you desaturate by 10%, it is **38.5132, 67.2346, 20.0305**.

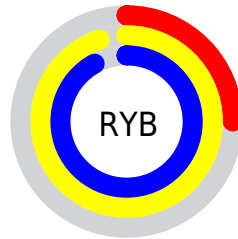
Distribution



Red (28%)

Green (95%)

Blue (25%)



Red (25%)

Yellow (95%)

Blue (92%)

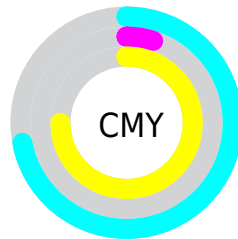


Cyan (70%)

Magenta (0%)

Yellow (74%)

Black (5%)



Cyan (72%)

Magenta (5%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6203, 65.8378, 15.5332 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 35.6203, 65.8378, 15.5332 by changing the saturation by 10% instead.

35.6203, 65.8378,
15.5332

35.6203, 65.8378,
15.5332

318.7582,
445.7966, 238.3222

24.3098, 48.1407,
9.0437

67.7733, 113.2535,
36.5413

15.6896, 33.9384,
4.6725

89.3466, 143.7409,
51.8970

9.3942, 22.8462,
2.0011

115.0715,
179.2606, 71.0452

5.0584, 14.4800,
0.5559

145.3134,
220.1969, 94.4044

2.3167, 8.4553,
0.0000

180.4377,
266.9343, 122.3932

0.8032, 4.3876,
0.0000

220.8096,

0.0000, 1.8927,

319.8571, 155.4300

0.0000

266.7947,
379.3497, 193.9335

0.0000, 0.5440,
0.0000

0.0000, 0.0000,
0.0000

35.6203, 65.8378,
15.5332

35.6203, 65.8378,
15.5332

33.6758, 64.8992,
12.6460

38.5132, 67.2346,
20.0305


32.5556, 64.3540,
11.1358


42.4495, 69.1287,
26.3208


32.2055, 64.1830,
10.6912

47.5180, 71.5643,
34.5672

53.7966, 74.5786,
44.9132

 61.3565, 78.2053,
57.4890

 70.2631, 82.4757,
72.4142

 80.5776, 87.4189,
89.7999

 91.3419, 92.5839,
107.6640

Harmonies

Analogous

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



50.5901, 65.8378, 6.1101



35.6203, 65.8378, 15.5332



28.7722, 65.8378, 46.9114

Triad

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



35.6203, 65.8378, 15.5332



53.1916, 65.8378, 277.6473



114.7418, 65.8378, 40.8316

Complementary

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



35.6203, 65.8378, 15.5332



51.8915, 27.5214, 87.3747

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.



115.9291, 65.8378, 103.9338



35.6203, 65.8378, 15.5332



76.3215, 65.8378, 272.1059

Square

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



35.6203, 65.8378, 15.5332



37.1231, 65.8378, 208.7925



100.5433, 65.8378, 196.4405



97.6121, 65.8378, 13.4087

Rectangle

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



35.6203, 65.8378, 15.5332



28.2971, 65.8378, 88.1238



100.5433, 65.8378, 196.4405



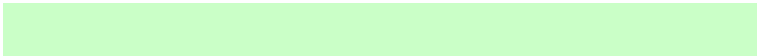
117.1431, 65.8378, 57.4313

Sweetspot

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



35.6219, 65.8405, 15.5347



70.3340, 88.1540, 67.2804



67.2852, 78.2627, 16.2635



14.5148, 18.6098, 13.4993



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.



35.6219, 65.8405, 15.5347



36.8217, 72.0431, 13.0667



39.1368, 67.1746, 37.2912



16.3588, 18.5115, 17.5084



17.7069, 35.2411, 5.8690



1.5827, 3.1110, 0.5171

Inverse Universe

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



51.8915, 27.5214, 87.3747



55.6569, 27.2253, 96.9293



45.2637, 25.2201, 36.6673



17.1270, 16.7236, 20.8679



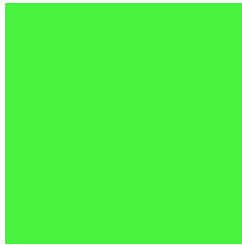
26.9760, 12.8809, 47.6025



2.3956, 1.1448, 4.1849

Previews

White Background



This preview shows how the XYZ color 35.6203, 65.8378, 15.5332 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 35.6203, 65.8378, 15.5332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

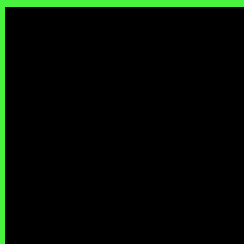
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6203, 65.8378, 15.5332

Background



This preview shows how black text looks on a background with the XYZ color 35.6203, 65.8378, 15.5332.



This preview shows how white text looks on a background with the XYZ color 35.6203, 65.8378,

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

35.6203, 65.8378, 15.5332

Protanopia

58.3283, 64.2019, 12.9324

Deuteranopia

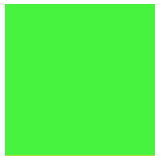
64.9959, 64.1810, 24.0014



Tritanopia

51.6962, 65.5238, 96.3089

Trichromacy



Original Color

35.6203, 65.8378, 15.5332



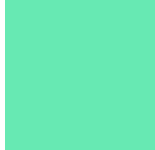
Protanomaly

44.7895, 61.7781, 13.5667



Deuteranomaly

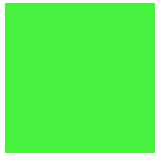
47.3153, 60.6113, 19.7950



Tritanomaly

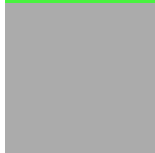
42.8691, 64.4161, 52.8219

Monochromacy



Original Color

35.6203, 65.8378, 15.5332



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.1228, 46.7493, 29.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6203, 65.8378, 15.5332 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(72, 243, 63)` looks like.

```
.text, #text, p{  
    color:rgb(72, 243, 63)  
}
```

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(72, 243, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 243, 63) }
```

Border

The CSS property to change the border of an element to XYZ 35.6203, 65.8378, 15.5332 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(72, 243, 63) }
```


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

```
.border{ border-color:rgb(72, 243, 63) }
```

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

Here you see how a box with a 4 pixel rgb(72, 243, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 243, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 243, 63);  
box-shadow:4px 4px 4px 4px rgb(72, 243,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6203, 65.8378, 15.5332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 243, 63) }
```

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

```
.background{ background-color: rgb(72, 243,  
63) }
```

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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