

Converting Colors

XYZ(35.4874, 64.8374, 17.6455)

Have a look what the booklet for
XYZ(35.4874, 64.8374, 17.6455)
contains.

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Color

**XYZ(35.4673, 64.8241,
17.6642)**

Conversions

Conversions Part 1

Format	Color
Hex	48F14D
RGB	72, 241, 77
RGB Percent	28%, 95%, 30%
CMY	0.7176, 0.0549, 0.6980
CMYK	0.70, 0.00, 0.68, 0.05
HSL	122°, 86%, 61%
HSV	122°, 70%, 95%
XYZ	35.4673, 64.8241, 17.6642
YIQ	171.7730, -48.0800, -86.8320

Conversions

Conversions Part 2

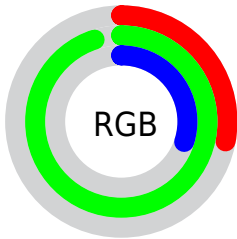
Format	Color
RYB	72, 236, 241
Decimal	4780365
CIELab	84.39, -72.76, 64.01
CIELCh	84, 96.909, 138.659
Yxy	64.8241, 0.3007, 0.5496
Android (android.graphics.Color)	4282970445 (0xFF48F14D)
YUV	171.7730, -46.7231, -87.5009
Hunter-Lab	80.5134, -62.2667, 43.3515

Details

The XYZ color **35.4673, 64.8241, 17.6642** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **53.7346, 29.3923, 82.1971**, and the grayscale version is **39.3455, 41.3945, 45.0786**.

A 20% lighter version of the original color is **51.1490, 78.9642, 34.7361**, and **16.9444, 33.8714, 5.7022** is the 20% darker color. If you saturate the color by 10%, you get **33.3277, 63.8019, 14.0018**, and if you desaturate by 10%, it is **38.6103, 66.3331, 22.9250**.

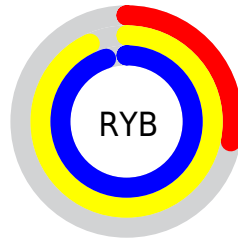
Distribution



Red (28%)

Green (95%)

Blue (30%)



Red (28%)

Yellow (93%)

Blue (95%)

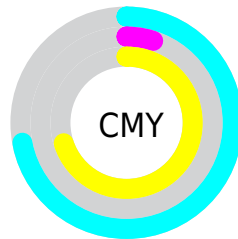


Cyan (70%)

Magenta (0%)

Yellow (68%)

Black (5%)



Cyan (72%)

Magenta (5%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4673, 64.8241, 17.6642 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 35.4673, 64.8241, 17.6642 by changing the saturation by 10% instead.

35.4673, 64.8241,
17.6642

35.4673, 64.8241,
17.6642

318.0982,
442.1596, 251.1437

24.1913, 47.3185,
10.5422

67.5383, 111.7969,
40.2705

15.6011, 33.2875,
5.6497

89.0640, 142.0329,
56.5919

9.3314, 22.3468,
2.5679

114.7370,
177.2811, 76.8168

5.0168, 14.1119,
0.8758

144.9226,
217.9260, 101.3638

2.2920, 8.1985,
0.0000

179.9861,
264.3519, 130.6515

0.7905, 4.2223,
0.0000

220.2930,

0.0000, 1.7987,

316.9432, 165.0983

0.0000

266.2086,
376.0843, 205.1229

■ 0.0000, 0.4863,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4673, 64.8241,
17.6642

■ 35.4673, 64.8241,
17.6642

■ 33.3277, 63.8019,
14.0018

■ 38.6103, 66.3331,
22.9250


■ 32.0658, 63.1998,
11.7527


■ 42.8544, 68.3703,
29.9337


■ 31.4957, 62.9288,
10.6915


■ 48.2904, 70.9814,
38.8276

■ 54.9988, 74.2054,
49.7290

 63.0530, 78.0776,
62.7502

 72.5207, 82.6308,
77.9949

 83.4652, 87.8954,
95.5602

 90.7466, 91.3932,
107.4655

Harmonies

Analogous

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



49.2961, 64.8241, 7.3073



35.4673, 64.8241, 17.6642



29.2865, 64.8241, 49.7418

Triad

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



35.4673, 64.8241, 17.6642



53.8263, 64.8241, 262.3010



109.7423, 64.8241, 39.0421

Complementary

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



35.4673, 64.8241, 17.6642



53.7346, 29.3923, 82.1971

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.



111.7638, 64.8241, 96.5565



35.4673, 64.8241, 17.6642



75.8284, 64.8241, 253.0170

Square

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



35.4673, 64.8241, 17.6642



38.1158, 64.8241, 202.2456



98.2105, 64.8241, 181.4201



93.2005, 64.8241, 13.7468

Rectangle

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



35.4673, 64.8241, 17.6642



29.0820, 64.8241, 89.9771



98.2105, 64.8241, 181.4201



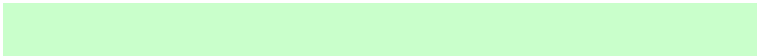
112.2651, 64.8241, 54.1966

Sweetspot

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



35.4688, 64.8268, 17.6657



70.7523, 88.3135, 69.8396



67.9492, 81.5907, 18.2982



14.5762, 18.6298, 14.0319



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.



35.4688, 64.8268, 17.6657



37.1825, 72.1937, 14.6797



40.4148, 66.8052, 43.7108



15.5849, 17.6640, 16.8369



17.0873, 34.1269, 5.8427



1.4281, 2.8417, 0.5209

Inverse Universe

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



53.7346, 29.3923, 82.1971



59.0713, 29.6502, 91.9510



44.4011, 25.6589, 33.0472



16.4329, 16.0229, 19.8357



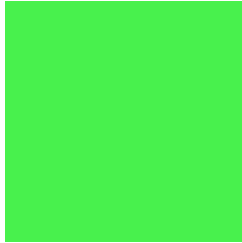
27.7236, 13.3619, 43.3228



2.3127, 1.1141, 3.6374

Previews

White Background



This preview shows how the XYZ color 35.4673, 64.8241, 17.6642 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 35.4673, 64.8241, 17.6642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

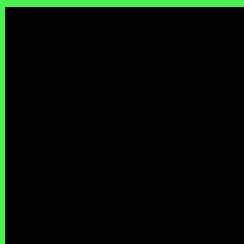
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4673, 64.8241, 17.6642

Background



This preview shows how black text looks on a background with the XYZ color 35.4673, 64.8241, 17.6642.

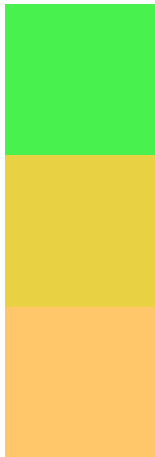


This preview shows how white text looks on a background with the XYZ color 35.4673, 64.8241,

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

35.4673, 64.8241, 17.6642

Protanopia

57.4481, 63.3419, 14.6672

Deuteranopia

64.2649, 63.1475, 22.4372



Tritanopia

50.5741, 64.1730, 94.5151

Trichromacy



Original Color

35.4673, 64.8241, 17.6642



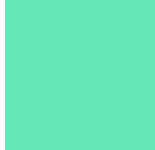
Protanomaly

44.4493, 61.1665, 15.4248



Deuteranomaly

46.8512, 59.6107, 19.8632



Tritanomaly

42.4900, 63.3374, 54.7856

Monochromacy



Original Color

35.4673, 64.8241, 17.6642



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.6350, 46.9729, 30.9081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4673, 64.8241, 17.6642 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, 241, 77)` looks like.

```
.text, #text, p{  
    color:rgb(72, 241, 77)  
}
```

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, 241, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 241, 77) }
```

Border

The CSS property to change the border of an element to XYZ 35.4673, 64.8241, 17.6642 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, 241, 77) }
```


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

```
.border{ border-color:rgb(72, 241, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 241, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 241, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 241, 77);  
box-shadow:4px 4px 4px 4px rgb(72, 241,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4673, 64.8241, 17.6642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 241, 77) }
```

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

```
.background{ background-color: rgb(72, 241,  
77) }
```

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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