

Converting Colors

XYZ(50.2936, 75.4841, 17.4482)

Have a look what the booklet for
XYZ(50.2936, 75.4841, 17.4482)
contains.

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Color

**XYZ(50.3367, 75.6591,
17.4195)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F844
RGB	166, 248, 68
RGB Percent	65%, 97%, 27%
CMY	0.3490, 0.0274, 0.7333
CMYK	0.33, 0.00, 0.73, 0.03
HSL	87°, 93%, 62%
HSV	87°, 73%, 97%
XYZ	50.3367, 75.6591, 17.4195
YIQ	202.9620, 8.9080, -73.3640

Conversions

Conversions Part 2

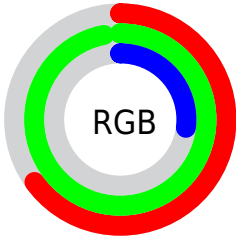
Format	Color
RYB	68, 248, 150
Decimal	10942532
CIELab	89.70, -51.08, 73.67
CIElCh	90, 89.644, 124.734
Yxy	75.6591, 0.3510, 0.5276
Android (android.graphics.Color)	4289132612 (0xFFA6F844)
YUV	202.9620, -66.5363, -32.4157
Hunter-Lab	86.9822, -48.9208, 49.0139

Details

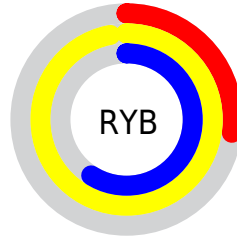
The XYZ color **50.3367, 75.6591, 17.4195** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **31.5915, 17.3979, 90.5042**, and the grayscale version is **57.1438, 60.1197, 65.4704**.

A 20% lighter version of the original color is **70.9548, 89.2211, 33.5603**, and **24.6942, 40.3874, 6.4940** is the 20% darker color. If you saturate the color by 10%, you get **47.4691, 74.2529, 14.1358**, and if you desaturate by 10%, it is **53.7359, 77.3071, 22.4009**.

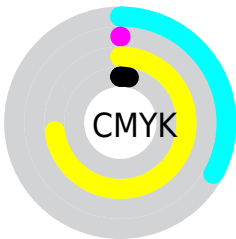
Distribution



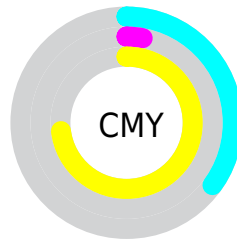
- Red (65%)
- Green (97%)
- Blue (27%)



- Red (27%)
- Yellow (97%)
- Blue (59%)



- Cyan (33%)
- Magenta (0%)
- Yellow (73%)
- Black (3%)





- Cyan (35%)
- Magenta (3%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3367, 75.6591, 17.4195 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 50.3367, 75.6591, 17.4195 by changing the saturation by 10% instead.


 50.3367, 75.6591,
17.4195


 50.3367, 75.6591,
17.4195


378.4114,
480.1799, 249.7036

 35.8999, 56.1530,
10.3689


 89.8624, 127.2449,
39.8461


 24.5266, 40.3256,
5.5355


 115.6820,
160.0934, 56.0593


 15.8516, 27.7925,
2.5006


 146.0265,
198.1582, 76.1637

 9.5094, 18.1693,
0.8404

 181.2614,
241.8237, 100.5779

 5.1346, 11.0716,
0.0000

 221.7520,
291.4742, 129.7205

 2.3620, 6.1150,
0.0000

267.8637,

 0.8261, 2.9151,

347.4941, 164.0099

0.0000

319.9617,
410.2679, 203.8648

■ 0.0000, 1.0876,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.3367, 75.6591,
17.4195

■ 50.3367, 75.6591,
17.4195

■ 47.4691, 74.2529,
14.1358

■ 53.7359, 77.3071,
22.4009


■ 45.0790, 73.0586,
12.3156


■ 57.7023, 79.2041,
29.2643


■ 43.5634, 72.2903,
11.6574


■ 62.2740, 81.3684,
38.1757

■ 67.4833, 83.8135,
49.2815

 73.3603, 86.5519,
62.7144

 79.9324, 89.5953,
78.5969

 87.2258, 92.9544,
97.0427

 92.8590, 95.6180,
108.1697

Harmonies

Analogous

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



68.4653, 75.6591, 10.9141



50.3367, 75.6591, 17.4195



39.9503, 75.6591, 40.6241

Triad

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



50.3367, 75.6591, 17.4195



55.2731, 75.6591, 248.4706



123.0512, 75.6591, 72.7492

Complementary

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



50.3367, 75.6591, 17.4195



31.5915, 17.3979, 90.5042

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.



117.5336, 75.6591, 145.9233



50.3367, 75.6591, 17.4195



75.4719, 75.6591, 272.6253

Square

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



50.3367, 75.6591, 17.4195



42.3647, 75.6591, 172.8693



98.9092, 75.6591, 228.1104



112.7397, 75.6591, 30.7146

Rectangle

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



50.3367, 75.6591, 17.4195



37.3842, 75.6591, 71.7184



98.9092, 75.6591, 228.1104



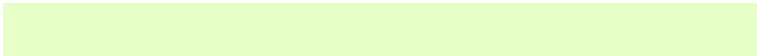
123.0020, 75.6591, 94.0489

Sweetspot

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



50.3385, 75.6624, 17.4211



78.5113, 92.3696, 67.6631



50.5052, 41.8717, 10.8901



16.4230, 19.5935, 13.5886



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.



50.3385, 75.6624, 17.4211



49.3493, 78.4936, 13.9997



37.6737, 69.1335, 16.8284



17.9205, 19.7748, 18.3348



23.6958, 39.1339, 6.3047



2.3169, 3.6875, 0.5896

Inverse Universe

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



31.5915, 17.3979, 90.5042



28.4650, 13.4027, 95.6944



54.6100, 29.2643, 91.5815



17.0343, 17.0303, 21.7747



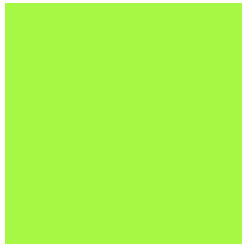
12.9877, 5.6381, 48.3773



1.3234, 0.5843, 4.4862

Previews

White Background



This preview shows how the XYZ color 50.3367, 75.6591, 17.4195 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 50.3367, 75.6591, 17.4195 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 50.3367, 75.6591, 17.4195

Background



This preview shows how black text looks on a background with the XYZ color 50.3367, 75.6591, 17.4195.

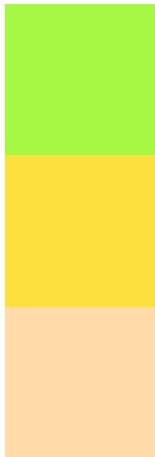


This preview shows how white text looks on a background with the XYZ color 50.3367, 75.6591,

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

50.3367, 75.6591, 17.4195

Protanopia

67.9396, 74.8937, 15.4326

Deuteranopia

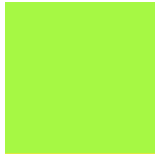
73.7329, 74.7876, 48.0854



Tritanopia

67.0664, 75.0011, 101.3844

Trichromacy



Original Color

50.3367, 75.6591, 17.4195



Protanomaly

59.8831, 74.0201, 15.9816



Deuteranomaly

62.8931, 73.9475, 32.7883



Tritanomaly

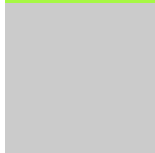
57.9920, 73.8528, 56.5459

Monochromacy



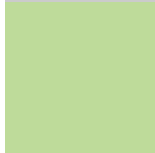
Original Color

50.3367, 75.6591, 17.4195



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.3995, 63.9433, 40.1524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3367, 75.6591, 17.4195 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(166, 248, 68)` looks like.

```
.text, #text, p{  
    color:rgb(166, 248, 68)  
}
```

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(166, 248, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 248, 68) }
```

Border

The CSS property to change the border of an element to XYZ 50.3367, 75.6591, 17.4195 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(166, 248, 68) }
```


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

```
.border{ border-color:rgb(166, 248, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 248, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 248, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 248, 68);  
box-shadow:4px 4px 4px 4px rgb(166, 248,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3367, 75.6591, 17.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 248, 68) }
```

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

```
.background{ background-color: rgb(166,  
248, 68) }
```

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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