

Converting Colors

XYZ(41.6154, 66.2551, 17.6163)

Have a look what the booklet for
XYZ(41.6154, 66.2551, 17.6163)
contains.

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Color

**XYZ(41.6154, 66.2551,
17.6163)**

Conversions

Conversions Part 1

Format	Color
Hex	87ED4D
RGB	135, 237, 77
RGB Percent	53%, 93%, 30%
CMY	0.4706, 0.0706, 0.6980
CMYK	0.43, 0.00, 0.68, 0.07
HSL	98°, 82%, 62%
HSV	98°, 68%, 93%
XYZ	41.6154, 66.2551, 17.6163
YIQ	188.2620, -9.4320, -71.3840

Conversions

Conversions Part 2

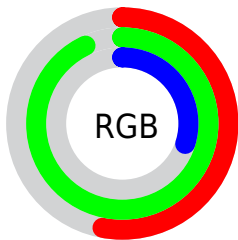
Format	Color
RYB	77, 237, 179
Decimal	8908109
CIELab	85.13, -56.22, 65.38
CIELCh	85, 86.223, 130.693
Yxy	66.2551, 0.3316, 0.5280
Android (android.graphics.Color)	4287098189 (0xFF87ED4D)
YUV	188.2620, -54.8522, -46.7108
Hunter-Lab	81.3972, -51.1847, 44.1463

Details

The XYZ color **41.6154, 66.2551, 17.6163** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **36.5338, 21.0081, 82.2539**, and the grayscale version is **48.2568, 50.7699, 55.2884**.

A 20% lighter version of the original color is **62.2418, 84.6828, 35.2552**, and **19.1508, 34.1006, 5.6014** is the 20% darker color. If you saturate the color by 10%, you get **38.6657, 64.8162, 13.8779**, and if you desaturate by 10%, it is **45.2180, 67.9994, 22.9784**.

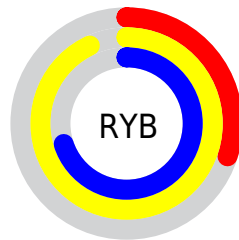
Distribution



Red (53%)

Green (93%)

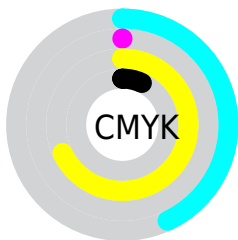
Blue (30%)



Red (30%)

Yellow (93%)

Blue (70%)

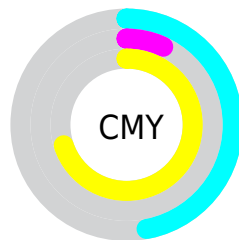


Cyan (43%)

Magenta (0%)

Yellow (68%)

Black (7%)



Cyan (47%)


Magenta (7%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6154, 66.2551, 17.6163 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 41.6154, 66.2551, 17.6163 by changing the saturation by 10% instead.


 41.6154, 66.2551,
17.6163

 41.6154, 66.2551,
17.6163


343.9050,
447.2887, 250.8624


 28.9900, 48.4795,
10.5083


 76.8860, 113.8524,
40.1875


 19.2175, 34.2068,
5.6273


 100.2620,
144.4429, 56.4877


 11.9325, 23.0525,
2.5547


 127.9523,
180.0738, 76.6891

 6.7696, 14.6323,
0.8689

 160.3222,
221.1296, 101.2102

 3.3635, 8.5617,
0.0000

 197.7370,
267.9945, 130.4696

 1.3488, 4.4564,
0.0000

240.5622,

 0.2193, 1.9320,

321.0531, 164.8857

0.0000

289.1631,
380.6897, 204.8771

■ 0.0000, 0.5675,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6154, 66.2551,
17.6163

■ 41.6154, 66.2551,
17.6163

■ 38.6657, 64.8162,
13.8779

■ 45.2180, 67.9994,
22.9784

■ 36.3148, 63.6529,
11.5742


■ 49.5122, 70.0596,
30.1170

■ 34.5024, 62.7413,
10.4613


■ 54.5385, 72.4555,
39.1721


■ 34.1147, 62.5452,
10.2744

■ 60.3328, 75.2030,
50.2684

 66.9283, 78.3167,
63.5203

 74.3563, 81.8103,
79.0335

 82.6461, 85.6968,
96.9068

 89.5756, 89.0512,
107.0752

Harmonies

Analogous

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



56.2911, 66.2551, 9.8002



41.6154, 66.2551, 17.6163



33.8794, 66.2551, 42.2250

Triad

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



41.6154, 66.2551, 17.6163



51.4082, 66.2551, 227.6208



107.2948, 66.2551, 54.0490

Complementary

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



41.6154, 66.2551, 17.6163



36.5338, 21.0081, 82.2539

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.



105.2356, 66.2551, 113.6277



41.6154, 66.2551, 17.6163



70.1649, 66.2551, 236.6894

Square

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



41.6154, 66.2551, 17.6163



38.6761, 66.2551, 166.8390



90.6165, 66.2551, 187.5185



95.7702, 66.2551, 22.4410

Rectangle

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



41.6154, 66.2551, 17.6163



32.5099, 66.2551, 73.4424



90.6165, 66.2551, 187.5185



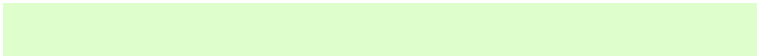
108.2192, 66.2551, 70.8541

Sweetspot

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



41.6170, 66.2579, 17.6178



76.9323, 91.4861, 70.7306



52.2542, 50.5168, 14.0188



15.9904, 19.3570, 14.1783



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.



41.6170, 66.2579, 17.6178



44.5167, 75.9716, 15.1629



35.5672, 63.0374, 21.9321



15.3838, 17.1279, 16.0139



18.7556, 34.2133, 5.6153



1.5750, 2.7392, 0.4457

Inverse Universe

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



36.5338, 21.0081, 82.2539



37.9787, 19.0901, 96.2908



49.9331, 28.2547, 67.5653



15.1547, 15.0250, 19.0236



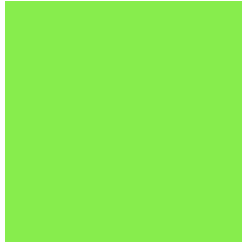
15.4719, 7.0120, 44.2810



1.3196, 0.6046, 3.4820

Previews

White Background



This preview shows how the XYZ color 41.6154, 66.2551, 17.6163 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 41.6154, 66.2551, 17.6163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

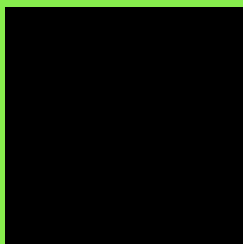
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

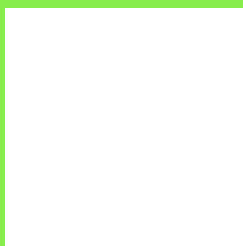
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6154, 66.2551, 17.6163

Background



This preview shows how black text looks on a background with the XYZ color 41.6154, 66.2551, 17.6163.

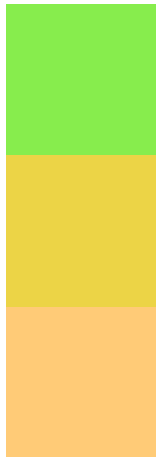


This preview shows how white text looks on a background with the XYZ color 41.6154, 66.2551,

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

41.6154, 66.2551, 17.6163

Protanopia

59.2410, 65.3620, 15.2881

Deuteranopia

65.9257, 65.3038, 26.5830



Tritanopia

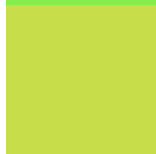
56.3992, 66.0516, 91.4380

Trichromacy



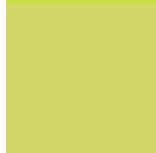
Original Color

41.6154, 66.2551, 17.6163



Protanomaly

50.6122, 64.3361, 16.0539



Deuteranomaly

53.6631, 63.4492, 22.5153



Tritanomaly

48.6562, 64.9089, 53.1442

Monochromacy



Original Color

41.6154, 66.2551, 17.6163



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.7788, 54.7157, 36.2708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6154, 66.2551, 17.6163 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(135, 237, 77)` looks like.

```
.text, #text, p{  
    color:rgb(135, 237, 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(135, 237, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 237, 77) }
```

Border

The CSS property to change the border of an element to XYZ 41.6154, 66.2551, 17.6163 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(135, 237, 77) }
```


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

```
.border{ border-color:rgb(135, 237, 77) }
```

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

Here you see how a box with a 4 pixel rgb(135, 237, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 237, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 237, 77);  
box-shadow:4px 4px 4px 4px rgb(135, 237,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6154, 66.2551, 17.6163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 237, 77) }
```

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

```
.background{ background-color: rgb(135,  
237, 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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