

Converting Colors

XYZ(65.8094, 79.9501, 16.5673)

Have a look what the booklet for
XYZ(65.8094, 79.9501, 16.5673)
contains.

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Color

**XYZ(65.9613, 80.1604,
16.5534)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFO3E
RGB	234, 240, 62
RGB Percent	92%, 94%, 24%
CMY	0.0824, 0.0588, 0.7568
CMYK	0.03, 0.00, 0.74, 0.06
HSL	62°, 86%, 59%
HSV	62°, 74%, 94%
XYZ	65.9613, 80.1604, 16.5534
YIQ	217.9140, 53.5620, -56.6300

Conversions

Conversions Part 2

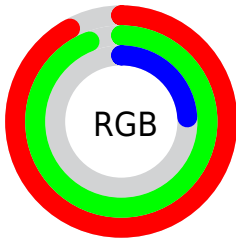
Format	Color
RYB	62, 240, 68
Decimal	15396926
CIELab	91.76, -21.79, 79.04
CIELCh	92, 81.994, 105.413
Yxy	80.1604, 0.4055, 0.4928
Android (android.graphics.Color)	4293587006 (0xFFEAF03E)
YUV	217.9140, -76.8656, 14.1074
Hunter-Lab	89.5323, -25.1750, 51.7107

Details

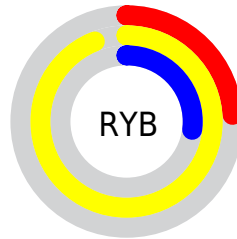
The XYZ color **65.9613, 80.1604, 16.5534** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.8370, 10.9671, 83.5144**, and the grayscale version is **67.0709, 70.5638, 76.8440**.

A 20% lighter version of the original color is **80.5129, 94.1851, 32.3484**, and **34.5960, 43.2797, 6.5304** is the 20% darker color. If you saturate the color by 10%, you get **65.1781, 79.8194, 13.8057**, and if you desaturate by 10%, it is **67.0400, 80.6257, 20.8347**.

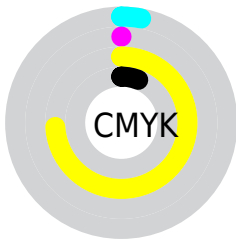
Distribution



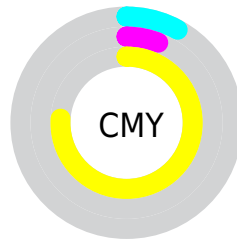
- Red (92%)
- Green (94%)
- Blue (24%)



- Red (24%)
- Yellow (94%)
- Blue (27%)



- Cyan (3%)
- Magenta (0%)
- Yellow (74%)
- Black (6%)



- Cyan (8%)
- Magenta (6%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9613, 80.1604, 16.5534 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 65.9613, 80.1604, 16.5534 by changing the saturation by 10% instead.

65.9613, 80.1604,
16.5534

65.9613, 80.1604,
16.5534

435.7293,
495.4732, 244.5416

48.5086, 59.8504,
9.7580

112.4888,
133.5912, 38.3364

34.4427, 43.2980,
5.1353

142.2943,
167.4808, 54.1610

23.3984, 30.1190,
2.2667

176.9482,
206.6657, 73.8325

15.0103, 19.9289,
0.7125

216.8156,
251.5302, 97.7694

8.9130, 12.3434,
0.0000

262.2621,
302.4588, 126.3903

4.7411, 6.9780,
0.0000

313.6530,

2.1294, 3.4483,

359.8360, 160.1135

0.0000

371.3536,
424.0460, 199.3578

■ 0.7051, 1.3700,
0.0000

■ 0.0000, 0.1945,
0.0000

■ 65.9613, 80.1604,
16.5534

■ 65.9613, 80.1604,
16.5534

■ 65.1781, 79.8194,
13.8057

■ 67.0400, 80.6257,
20.8347


■ 64.6433, 79.5750,
12.3681


■ 68.4427, 81.2177,
26.8235


■ 64.4104, 79.4641,
11.9433


■ 70.2004, 81.9518,
34.6759


■ 72.3393, 82.8386,
44.5289

 74.8829, 83.8874,
56.5067

 77.8529, 85.1069,
70.7235

 81.2694, 86.5051,
87.2852

 85.1513, 88.0897,
106.2912

 85.5863, 88.2956,
107.1396

Harmonies

Analogous

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



86.8106, 80.1604, 16.4115



65.9613, 80.1604, 16.5534



50.9149, 80.1604, 28.6964

Triad

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



65.9613, 80.1604, 16.5534



51.2300, 80.1604, 198.1583



122.2905, 80.1604, 119.7391

Complementary

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



65.9613, 80.1604, 16.5534



19.8370, 10.9671, 83.5144

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.



108.6910, 80.1604, 196.1301



65.9613, 80.1604, 16.5534



66.4731, 80.1604, 253.6804

Square

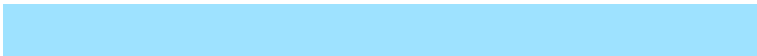
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.9613, 80.1604, 16.5534



43.5357, 80.1604, 121.7372



87.4251, 80.1604, 252.8031



122.0842, 80.1604, 60.0298

Rectangle

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



65.9613, 80.1604, 16.5534



45.0734, 80.1604, 47.4885



87.4251, 80.1604, 252.8031



119.0866, 80.1604, 144.7315

Sweetspot

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



65.9631, 80.1641, 16.5550



86.6041, 96.5416, 68.0418



38.8706, 23.0013, 6.9494



18.3508, 20.5873, 13.6788



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.



65.9631, 80.1641, 16.5550



74.4484, 91.4403, 14.8276



43.7217, 68.6982, 15.5142



17.0671, 18.4303, 16.8076



35.2812, 43.5097, 6.5387



2.9515, 3.6281, 0.5447

Inverse Universe

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



19.8370, 10.9671, 83.5144



19.1839, 8.4227, 95.2224



31.3451, 16.8997, 84.0529



14.9466, 15.2542, 19.8782



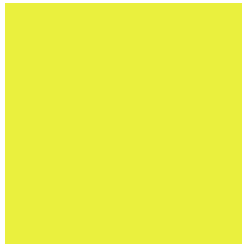
8.6874, 3.4839, 45.3425



0.7400, 0.2987, 3.7729

Previews

White Background



This preview shows how the XYZ color 65.9613, 80.1604, 16.5534 looks on a white background.

Color Contrast Check

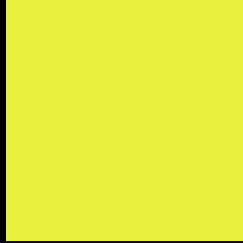
Large Text (above 18pt) WCAG AA × Fail

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 65.9613, 80.1604, 16.5534 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 65.9613, 80.1604, 16.5534

Background



This preview shows how black text looks on a background with the XYZ color 65.9613, 80.1604, 16.5534.

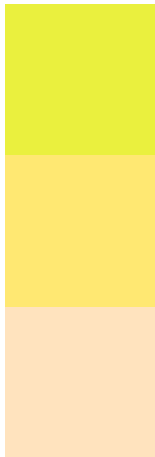


This preview shows how white text looks on a background with the XYZ color 65.9613, 80.1604,

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

65.9613, 80.1604, 16.5534

Protanopia

73.1339, 80.1881, 27.5429

Deuteranopia

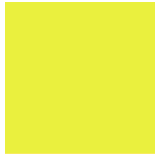
78.0033, 79.9159, 60.0293



Tritanopia

81.9572, 79.9862, 94.3384

Trichromacy



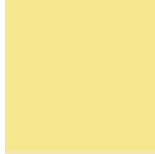
Original Color

65.9613, 80.1604, 16.5534



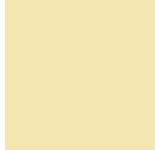
Protanomaly

70.1317, 80.0170, 22.5750



Deuteranomaly

72.1723, 79.4706, 37.5221



Tritanomaly

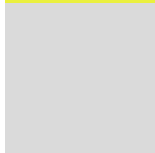
73.4415, 78.9613, 52.4446

Monochromacy



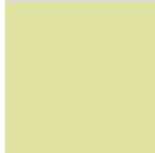
Original Color

65.9613, 80.1604, 16.5534



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.3698, 72.8132, 44.3799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9613, 80.1604, 16.5534 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(234, 240, 62)` looks like.

```
.text, #text, p{  
    color:rgb(234, 240, 62)  
}
```

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(234, 240, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 240, 62) }
```

Border

The CSS property to change the border of an element to XYZ 65.9613, 80.1604, 16.5534 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(234, 240, 62) }
```


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

```
.border{ border-color:rgb(234, 240, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 240, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 240, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 240, 62);  
box-shadow:4px 4px 4px 4px rgb(234, 240,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9613, 80.1604, 16.5534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 240, 62) }
```

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

```
.background{ background-color: rgb(234,  
240, 62) }
```

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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