

Converting Colors

XYZ(65.8360, 80.5899, 17.0640)

Have a look what the booklet for
XYZ(65.8360, 80.5899, 17.0640)
contains.

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Color

**XYZ(65.6881, 80.4481,
17.0669)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F141
RGB	232, 241, 65
RGB Percent	91%, 95%, 25%
CMY	0.0902, 0.0549, 0.7451
CMYK	0.04, 0.00, 0.73, 0.05
HSL	63°, 86%, 60%
HSV	63°, 73%, 95%
XYZ	65.6881, 80.4481, 17.0669
YIQ	218.2450, 51.1320, -56.6440

Conversions

Conversions Part 2

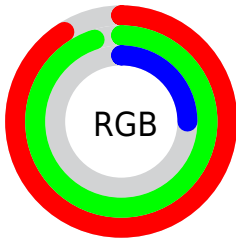
Format	Color
RYB	65, 241, 74
Decimal	15266113
CIELab	91.89, -22.96, 78.17
CIELCh	92, 81.476, 106.367
Yxy	80.4481, 0.4025, 0.4929
Android (android.graphics.Color)	4293456193 (0xFFE8F141)
YUV	218.2450, -75.5498, 12.0631
Hunter-Lab	89.6929, -26.2350, 51.5032

Details

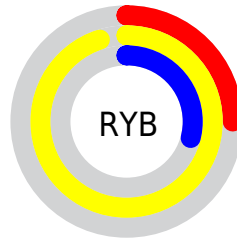
The XYZ color **65.6881, 80.4481, 17.0669** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **20.5940, 11.5890, 84.3757**, and the grayscale version is **67.2925, 70.7969, 77.0979**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **34.3622, 43.4686, 6.5792** is the 20% darker color. If you saturate the color by 10%, you get **64.7352, 80.0238, 14.1235**, and if you desaturate by 10%, it is **66.9451, 81.0003, 21.5811**.

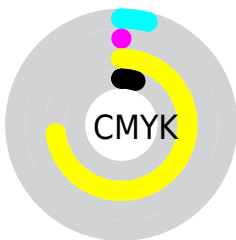
Distribution



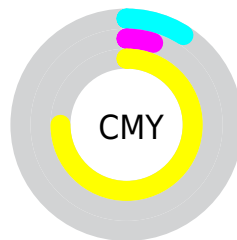
- Red (91%)
- Green (95%)
- Blue (25%)



- Red (25%)
- Yellow (95%)
- Blue (29%)



- Cyan (4%)
- Magenta (0%)
- Yellow (73%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6881, 80.4481, 17.0669 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 65.6881, 80.4481, 17.0669 by changing the saturation by 10% instead.

65.6881, 80.4481,
17.0669

65.6881, 80.4481,
17.0669

434.7668,
496.4417, 247.6146

48.2860, 60.0872,
10.1197

112.0988,
133.9956, 39.2330

34.2656, 43.4889,
5.3718

141.8381,
167.9509, 55.2890

23.2616, 30.2689,
2.4045

176.4205,
207.2064, 75.2184

14.9085, 20.0428,
0.7889

216.2114,
252.1466, 99.4396

8.8411, 12.4261,
0.0000

261.5761,
303.1558, 128.3714

4.6940, 7.0346,
0.0000

312.8800,

2.1017, 3.4837,

360.6185, 162.4321

0.0000

370.4885,
424.9190, 202.0403

■ 0.6902, 1.3892,
0.0000

■ 0.0000, 0.2087,
0.0000

■ 65.6881, 80.4481,
17.0669

■ 65.6881, 80.4481,
17.0669

■ 64.7352, 80.0238,
14.1235

■ 66.9451, 81.0003,
21.5811


■ 64.0401, 79.7000,
12.5307


■ 68.5345, 81.6828,
27.8384


■ 63.6658, 79.5186,
11.9931


■ 70.4871, 82.5109,
35.9943


■ 72.8290, 83.4951,
46.1854

 75.5839, 84.6447,
58.5360

 78.7733, 85.9686,
73.1605

 82.4175, 87.4746,
90.1650

 86.0794, 88.9881,
107.2473

 86.5039, 89.2069,
107.2672

Harmonies

Analogous

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



86.3332, 80.4481, 16.5936



65.6881, 80.4481, 17.0669



50.9072, 80.4481, 29.7561

Triad

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



65.6881, 80.4481, 17.0669



51.9481, 80.4481, 200.1060



122.5502, 80.4481, 117.6220

Complementary

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



65.6881, 80.4481, 17.0669



20.5940, 11.5890, 84.3757

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.



109.3975, 80.4481, 193.4455



65.6881, 80.4481, 17.0669



67.3762, 80.4481, 253.8286

Square

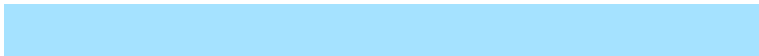
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.6881, 80.4481, 17.0669



44.0205, 80.4481, 124.1974



88.3572, 80.4481, 250.9505



121.8717, 80.4481, 58.9980

Rectangle

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



65.6881, 80.4481, 17.0669



45.2372, 80.4481, 49.0798



88.3572, 80.4481, 250.9505



119.5101, 80.4481, 142.3134

Sweetspot

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



65.6900, 80.4518, 17.0686



86.2488, 96.3584, 68.0252



39.6681, 23.9554, 7.5352



18.2655, 20.5434, 13.6748



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.



65.6900, 80.4518, 17.0686



73.1424, 90.7634, 14.9329



43.9493, 69.2441, 16.0511



17.0383, 18.4154, 16.8062



34.5585, 43.1371, 6.5049



2.8993, 3.6012, 0.5423

Inverse Universe

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



20.5940, 11.5890, 84.3757



19.4879, 8.6732, 95.2547



32.6299, 17.7938, 84.9389



14.9721, 15.2673, 19.8794



8.7275, 3.5046, 45.3443



0.7522, 0.3050, 3.7734

Previews

White Background



This preview shows how the XYZ color 65.6881, 80.4481, 17.0669 looks on a white background.

Color Contrast Check

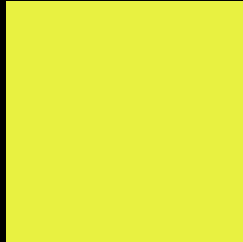
Large Text (above 18pt) WCAG AA × Fail

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 65.6881, 80.4481, 17.0669 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 65.6881, 80.4481, 17.0669

Background



This preview shows how black text looks on a background with the XYZ color 65.6881, 80.4481, 17.0669.

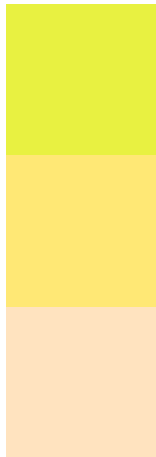


This preview shows how white text looks on a background with the XYZ color 65.6881, 80.4481,

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

65.6881, 80.4481, 17.0669

Protanopia

73.3075, 80.2576, 28.4572

Deuteranopia

78.1131, 79.9598, 60.6070



Tritanopia

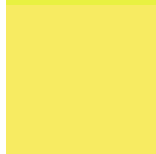
81.6636, 80.2177, 95.1838

Trichromacy



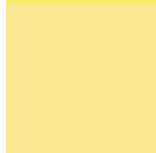
Original Color

65.6881, 80.4481, 17.0669



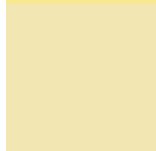
Protanomaly

70.2707, 80.0727, 23.3072



Deuteranomaly

72.3252, 79.5317, 38.3273



Tritanomaly

73.2297, 79.2434, 53.5554

Monochromacy



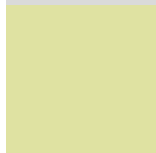
Original Color

65.6881, 80.4481, 17.0669



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.1494, 72.6893, 44.8318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6881, 80.4481, 17.0669 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(232, 241, 65)` looks like.

```
.text, #text, p{  
    color:rgb(232, 241, 65)  
}
```

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(232, 241, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 241, 65) }
```

Border

The CSS property to change the border of an element to XYZ 65.6881, 80.4481, 17.0669 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(232, 241, 65) }
```


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

```
.border{ border-color:rgb(232, 241, 65) }
```

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

Here you see how a box with a 4 pixel rgb(232, 241, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 241, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 241, 65);  
box-shadow:4px 4px 4px 4px rgb(232, 241,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6881, 80.4481, 17.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 241, 65) }
```

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

```
.background{ background-color: rgb(232,  
241, 65) }
```

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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