

Converting Colors

XYZ(64.7493, 81.6770, 16.9736)

Have a look what the booklet for
XYZ(64.7493, 81.6770, 16.9736)
contains.

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Color

**XYZ(64.8859, 81.8214,
16.9307)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F53E
RGB	226, 245, 62
RGB Percent	89%, 96%, 24%
CMY	0.1137, 0.0392, 0.7568
CMYK	0.08, 0.00, 0.75, 0.04
HSL	66°, 90%, 60%
HSV	66°, 75%, 96%
XYZ	64.8859, 81.8214, 16.9307
YIQ	218.4570, 47.4190, -60.9410

Conversions

Conversions Part 2

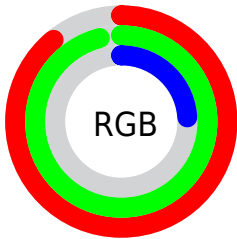
Format	Color
RYB	62, 245, 81
Decimal	14873918
CIELab	92.50, -27.40, 79.51
CIElCh	92, 84.102, 109.012
Yxy	81.8214, 0.3965, 0.5000
Android (android.graphics.Color)	4293063998 (0xFFE2F53E)
YUV	218.4570, -77.1333, 6.6152
Hunter-Lab	90.4552, -30.2538, 52.2212

Details

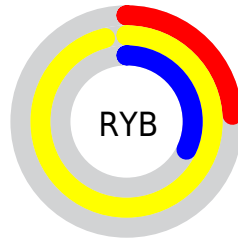
The XYZ color **64.8859, 81.8214, 16.9307** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.6000, 11.7890, 87.5284**, and the grayscale version is **67.4521, 70.9648, 77.2807**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **34.1339, 44.6107, 6.8117** is the 20% darker color. If you saturate the color by 10%, you get **63.5679, 81.2057, 14.1162**, and if you desaturate by 10%, it is **66.5223, 82.5719, 21.3437**.

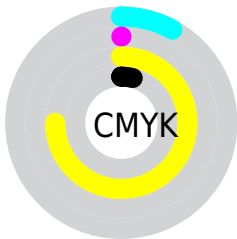
Distribution



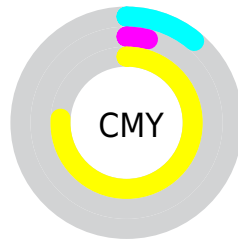
- Red (89%)
- Green (96%)
- Blue (24%)



- Red (24%)
- Yellow (96%)
- Blue (32%)



- Cyan (8%)
- Magenta (0%)
- Yellow (75%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8859, 81.8214, 16.9307 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 64.8859, 81.8214, 16.9307 by changing the saturation by 10% instead.

 64.8859, 81.8214,
16.9307

 64.8859, 81.8214,
16.9307


431.9335,
501.0501, 246.8031

 47.6329, 61.2183,
10.0237


 110.9524,
135.9235, 38.9956


 33.7463, 44.4014,
5.3088


 140.4967,
170.1913, 54.9905


 22.8608, 30.9862,
2.3677

 174.8687,
209.7829, 74.8519

 14.6108, 20.5883,
0.7688

 214.4340,
255.0825, 98.9981

 8.6313, 12.8234,
0.0000

 259.5577,
306.4747, 127.8478

 4.5566, 7.3071,
0.0000

310.6053,

 2.0216, 3.6549,

364.3437, 161.8195

0.0000

367.9421,
429.0741, 201.3318

■ 0.6461, 1.4824,
0.0000

■ 0.0000, 0.2763,
0.0000

■ 64.8859, 81.8214,
16.9307

■ 64.8859, 81.8214,
16.9307

■ 63.5679, 81.2057,
14.1162

■ 66.5223, 82.5719,
21.3437


■ 62.5183, 80.6957,
12.6617


■ 68.5077, 83.4602,
27.5402


■ 62.0361, 80.4555,
12.2598


■ 70.8749, 84.5028,
35.6853

■ 73.6516, 85.7105,
45.9243

 76.8628, 87.0934,
58.3882

 80.5315, 88.6606,
73.1977

 84.6788, 90.4207,
90.4647

 88.8358, 92.1862,
107.7193

 89.7364, 92.6504,
107.7614

Harmonies

Analogous

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



86.0435, 81.8214, 15.5327



64.8859, 81.8214, 16.9307



50.2025, 81.8214, 31.2318

Triad

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



64.8859, 81.8214, 16.9307



53.3674, 81.8214, 214.0576



126.6559, 81.8214, 114.0125

Complementary

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



64.8859, 81.8214, 16.9307



21.6000, 11.7890, 87.5284

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.



113.9337, 81.8214, 193.4310



64.8859, 81.8214, 16.9307



70.0424, 81.8214, 266.7690

Square

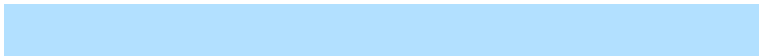
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.8859, 81.8214, 16.9307



44.4628, 81.8214, 134.2465



92.2531, 81.8214, 257.8305



124.5643, 81.8214, 55.3987

Rectangle

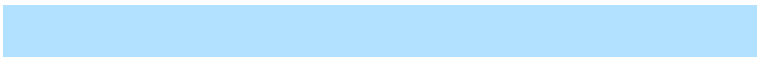
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8859, 81.8214, 16.9307



44.8047, 81.8214, 52.6089



92.2531, 81.8214, 257.8305



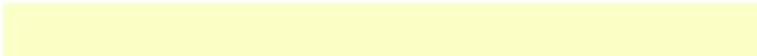
123.8878, 81.8214, 139.4319

Sweetspot

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



64.8878, 81.8252, 16.9324



85.1859, 95.8104, 67.9755



41.4193, 25.5440, 7.3059



18.0106, 20.4120, 13.6629



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.



64.8878, 81.8252, 16.9324



68.9485, 88.6084, 14.4174



43.5491, 70.8246, 15.9338



17.7352, 19.2210, 17.5729



33.4879, 43.3764, 6.6075



2.9911, 3.8370, 0.5830

Inverse Universe

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



21.6000, 11.7890, 87.5284



19.6914, 8.5982, 95.2295



35.1763, 18.7878, 88.1637



15.7409, 16.0091, 20.8030



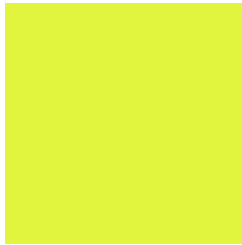
9.1540, 3.6934, 46.7685



0.8566, 0.3515, 4.1129

Previews

White Background



This preview shows how the XYZ color 64.8859, 81.8214, 16.9307 looks on a white background.

Color Contrast Check

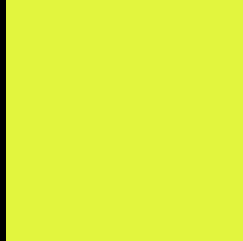
Large Text (above 18pt) WCAG AA × Fail

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 64.8859, 81.8214, 16.9307 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 64.8859, 81.8214, 16.9307

Background



This preview shows how black text looks on a background with the XYZ color 64.8859, 81.8214, 16.9307.

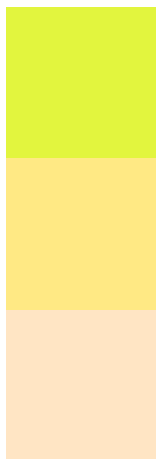


This preview shows how white text looks on a background with the XYZ color 64.8859, 81.8214,

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

64.8859, 81.8214, 16.9307

Protanopia

74.5438, 81.2038, 33.5748

Deuteranopia

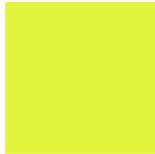
79.2231, 81.2841, 63.7385



Tritanopia

81.3401, 81.1953, 98.5740

Trichromacy



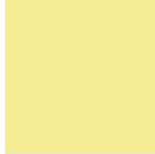
Original Color

64.8859, 81.8214, 16.9307



Protanomaly

70.2463, 80.8630, 25.8157



Deuteranomaly

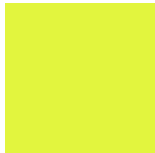
72.2830, 80.7563, 39.3816



Tritanomaly

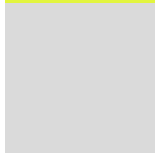
72.4846, 80.1048, 54.2893

Monochromacy



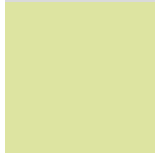
Original Color

64.8859, 81.8214, 16.9307



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.9952, 73.4322, 44.5191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8859, 81.8214, 16.9307 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(226, 245, 62)` looks like.

```
.text, #text, p{  
    color:rgb(226, 245, 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(226, 245, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 245, 62) }
```

Border

The CSS property to change the border of an element to XYZ 64.8859, 81.8214, 16.9307 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(226, 245, 62) }
```


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

```
.border{ border-color:rgb(226, 245, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 245, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 245, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 245, 62);  
box-shadow:4px 4px 4px 4px rgb(226, 245,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8859, 81.8214, 16.9307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 245, 62) }
```

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

```
.background{ background-color: rgb(226,  
245, 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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