

Converting Colors

XYZ(66.8096, 87.4198, 18.2030)

Have a look what the booklet for
XYZ(66.8096, 87.4198, 18.2030)
contains.

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Color

**XYZ(66.8096, 87.4198,
18.2030)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFF40
RGB	222, 255, 64
RGB Percent	87%, 100%, 25%
CMY	0.1294, 0.0000, 0.7490
CMYK	0.13, 0.00, 0.75, 0.00
HSL	70°, 100%, 63%
HSV	70°, 75%, 100%
XYZ	66.8096, 87.4198, 18.2030
YIQ	223.3590, 41.6430, -66.3970

Conversions

Conversions Part 2

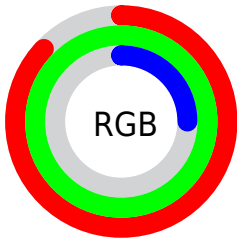
Format	Color
RYB	64, 255, 97
Decimal	14614336
CIELab	94.92, -33.52, 81.06
CIELCh	95, 87.715, 112.467
Yxy	87.4198, 0.3875, 0.5070
Android (android.graphics.Color)	4292804416 (0xFFDEFF40)
YUV	223.3590, -78.5640, -1.1918
Hunter-Lab	93.4986, -36.0749, 53.9060

Details

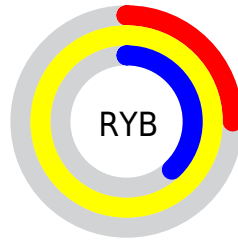
The XYZ color **66.8096, 87.4198, 18.2030** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **24.8146, 13.4296, 95.8920**, and the grayscale version is **70.9154, 74.6086, 81.2487**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **35.2983, 48.1747, 7.4382** is the 20% darker color. If you saturate the color by 10%, you get **64.9100, 86.5060, 15.1532**, and if you desaturate by 10%, it is **69.0759, 88.4842, 23.0019**.

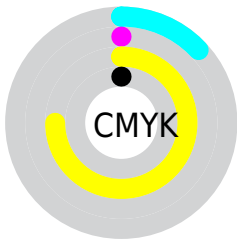
Distribution



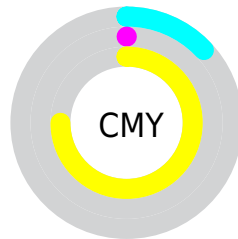
- Red (87%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (38%)



- Cyan (13%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8096, 87.4198, 18.2030 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 66.8096, 87.4198, 18.2030 by changing the saturation by 10% instead.


 66.8096, 87.4198,
18.2030


 66.8096, 87.4198,
18.2030


438.7099,
519.6013, 254.2872

 49.2000, 65.8427,
10.9249


 113.6988,
143.7491, 41.2015

 34.9934, 48.1447,
5.9028


 143.7092,
179.2701, 57.7590


 23.8243, 33.9415,
2.7182


 178.5840,
220.2078, 78.2467

 15.3273, 22.8487,
0.9526

 218.6884,
266.9467, 103.0832

 9.1373, 14.4818,
0.0000

 264.3878,
319.8711, 132.6869

 4.8886, 8.4565,
0.0000

316.0476,

 2.2162, 4.3884,

379.3654, 167.4765

0.0000

374.0332,
445.8140, 207.8704

■ 0.7512, 1.8931,
0.0000

■ 0.0000, 0.5442,
0.0000

■ 66.8096, 87.4198,
18.2030

■ 66.8096, 87.4198,
18.2030

■ 64.9100, 86.5060,
15.1532

■ 69.0759, 88.4842,
23.0019

■ 63.3276, 85.7232,
13.5896

■ 71.7491, 89.7155,
29.7574

■ 62.6066, 85.3599,
13.1764

■ 74.8639, 91.1277,
38.6515

■ 78.4511, 92.7329,
49.8447

■ 82.5385, 94.5424,
63.4822

■ 87.1514, 96.5663,
79.6970

■ 92.3138, 98.8143,
98.6127

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



89.2311, 87.4198, 15.4323



66.8096, 87.4198, 18.2030



51.8437, 87.4198, 35.6112

Triad

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



66.8096, 87.4198, 18.2030



58.2261, 87.4198, 241.4106



137.1755, 87.4198, 113.4101

Complementary

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



66.8096, 87.4198, 18.2030



24.8146, 13.4296, 95.8920

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.



124.8892, 87.4198, 199.3546



66.8096, 87.4198, 18.2030



77.2372, 87.4198, 293.0266

Square

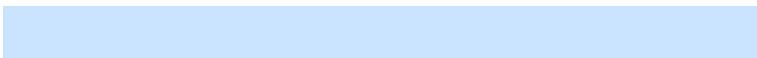
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.8096, 87.4198, 18.2030



47.5877, 87.4198, 154.5242



101.8209, 87.4198, 274.7744



132.9230, 87.4198, 53.3932

Rectangle

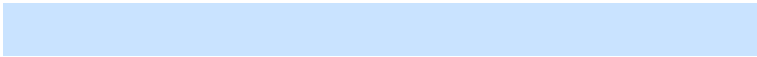
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.8096, 87.4198, 18.2030



46.6652, 87.4198, 60.9281



101.8209, 87.4198, 274.7744



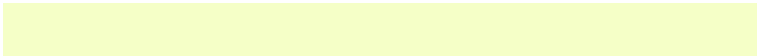
134.7732, 87.4198, 140.3473

Sweetspot

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



66.8096, 87.4197, 18.2042



83.8205, 95.1066, 67.9116



46.3339, 29.9669, 8.1938



17.6840, 20.2436, 13.6476



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.



66.8096, 87.4197, 18.2042



64.0668, 86.0918, 14.1889



45.5385, 76.4541, 17.2087



19.2351, 20.9226, 19.1690



32.8262, 44.6606, 6.8902



3.2736, 4.3884, 0.6745

Inverse Universe

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



24.8146, 13.4296, 95.8920



20.5986, 9.0659, 95.2720



41.4543, 22.0077, 96.6708



17.2955, 17.5286, 22.7217



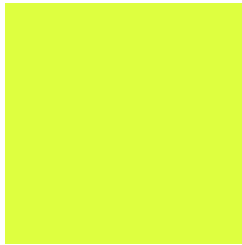
10.0602, 4.0967, 49.6951



1.0565, 0.4386, 4.8422

Previews

White Background



This preview shows how the XYZ color 66.8096, 87.4198, 18.2030 looks on a white background.

Color Contrast Check

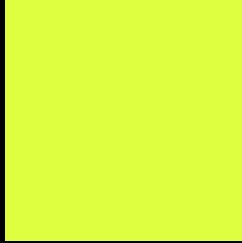
Large Text (above 18pt) WCAG AA × Fail

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 66.8096, 87.4198, 18.2030 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 66.8096, 87.4198, 18.2030

Background



This preview shows how black text looks on a background with the XYZ color 66.8096, 87.4198, 18.2030.



This preview shows how white text looks on a background with the XYZ color 66.8096, 87.4198,

Color Blindness Simulation

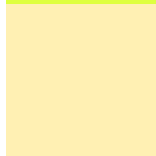
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



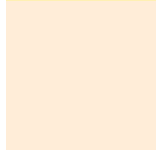
Original Color

66.8096, 87.4198, 18.2030



Protanopia

80.5368, 86.8348, 55.1639



Deuteranopia

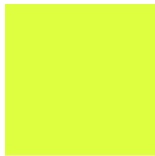
83.9189, 86.7862, 77.2942



Tritanopia

84.9002, 87.0698, 106.9392

Trichromacy



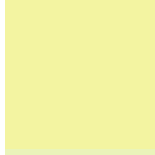
Original Color

66.8096, 87.4198, 18.2030



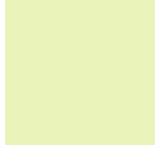
Protanomaly

74.1299, 86.1656, 36.3915



Deuteranomaly

75.7459, 86.3293, 46.3892



Tritanomaly

75.1453, 85.7390, 59.0431

Monochromacy



Original Color

66.8096, 87.4198, 18.2030



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.9313, 77.8212, 47.0907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8096, 87.4198, 18.2030 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(222, 255, 64)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 64)  
}
```

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(222, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 64) }
```

Border

The CSS property to change the border of an element to XYZ 66.8096, 87.4198, 18.2030 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(222, 255, 64) }
```


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

```
.border{ border-color:rgb(222, 255, 64) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8096, 87.4198, 18.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 64) }
```

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

```
.background{ background-color: rgb(222,  
255, 64) }
```

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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