

Converting Colors

XYZ(65.2792, 86.6748, 16.1461)

Have a look what the booklet for
XYZ(65.2792, 86.6748, 16.1461)
contains.

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Color

**XYZ(65.2278, 86.6472,
16.1924)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFF31
RGB	218, 255, 49
RGB Percent	85%, 100%, 19%
CMY	0.1451, 0.0000, 0.8078
CMYK	0.15, 0.00, 0.81, 0.00
HSL	71°, 100%, 60%
HSV	71°, 81%, 100%
XYZ	65.2278, 86.6472, 16.1924
YIQ	220.4530, 44.0740, -71.9100

Conversions

Conversions Part 2

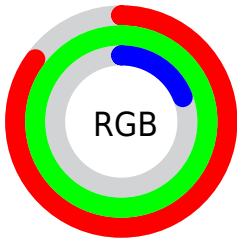
Format	Color
R _Y B	49, 255, 86
Decimal	14352177
CIE Lab	94.59, -35.64, 84.71
CIE LCh	95, 91.902, 112.821
Yxy	86.6472, 0.3881, 0.5156
Android (android.graphics.Color)	4292542257 (0xFFDAFF31)
YUV	220.4530, -84.5263, -2.1513
Hunter-Lab	93.0845, -37.8162, 54.8454

Details

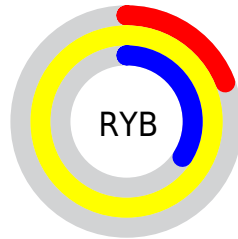
The XYZ color **65.2278, 86.6472, 16.1924** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **22.9875, 11.3964, 95.5959**, and the grayscale version is **68.8956, 72.4835, 78.9345**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **34.2946, 47.6573, 7.3913** is the 20% darker color. If you saturate the color by 10%, you get **63.4820, 85.7928, 14.0515**, and if you desaturate by 10%, it is **67.3153, 87.6426, 19.9379**.

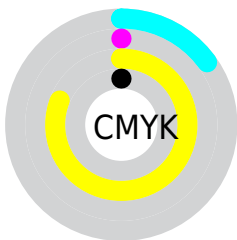
Distribution



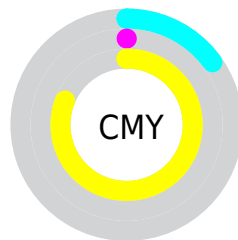
- Red (85%)
- Green (100%)
- Blue (19%)



- Red (19%)
- Yellow (100%)
- Blue (34%)



- Cyan (15%)
- Magenta (0%)
- Yellow (81%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2278, 86.6472, 16.1924 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 65.2278, 86.6472, 16.1924 by changing the saturation by 10% instead.

65.2278, 86.6472,
16.1924

65.2278, 86.6472,
16.1924

433.1424,
517.0629, 242.3587

47.9112, 65.2033,
9.5046

111.4412,
142.6723, 37.7033

33.9675, 47.6259,
4.9705

141.0687,
178.0223, 53.3635

23.0314, 33.5308,
2.1715

175.5305,
218.7764, 72.8516

14.7375, 22.5333,
0.6579

215.1921,
265.3190, 96.5860

8.7205, 14.2493,
0.0000

260.4187,
318.0346, 124.9854

4.6150, 8.2943,
0.0000

311.5757,

2.0556, 4.2838,

377.3075, 158.4683

0.0000

369.0285,
443.5221, 197.4532

■ 0.6649, 1.8336,
0.0000

■ 0.0000, 0.5080,
0.0000

■ 65.2278, 86.6472,
16.1924

■ 65.2278, 86.6472,
16.1924

■ 63.4820, 85.7928,
14.0515

■ 67.3153, 87.6426,
19.9379

■ 62.1099, 85.1039,
13.1532

■ 69.7898, 88.7972,
25.5204

■ 72.6889, 90.1261,
33.1383

■ 76.0454, 91.6425,
42.9632

■ 79.8890, 93.3582,
55.1488

■ 84.2463, 95.2840,
69.8348

■ 89.1423, 97.4297,
87.1502

94.5999, 99.8048,
107.2152

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.



88.4533, 86.6472, 13.4024



65.2278, 86.6472, 16.1924



49.9346, 86.6472, 33.5850

Triad

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



65.2278, 86.6472, 16.1924



56.7933, 86.6472, 250.1216



139.2331, 86.6472, 112.4409

Complementary

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



65.2278, 86.6472, 16.1924



22.9875, 11.3964, 95.5959

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.



126.4364, 86.6472, 203.1292



65.2278, 86.6472, 16.1924



76.5448, 86.6472, 304.7404

Square

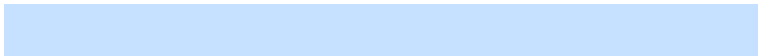
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2278, 86.6472, 16.1924



45.7902, 86.6472, 157.7621



102.2463, 86.6472, 284.2221



134.5256, 86.6472, 50.7084

Rectangle

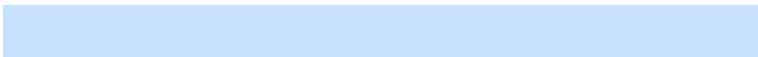
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2278, 86.6472, 16.1924



44.7145, 86.6472, 59.5146



102.2463, 86.6472, 284.2221



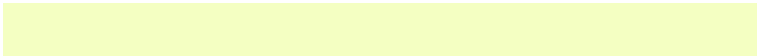
136.7618, 86.6472, 140.6464

Sweetspot

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



65.2278, 86.6471, 16.1936



82.7858, 94.6404, 64.8254



44.9141, 27.7208, 5.8903



17.3873, 20.1101, 12.7557



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.



65.2278, 86.6471, 16.1936



62.5428, 85.3222, 13.3922



43.7415, 75.5706, 15.1880



19.2224, 20.9161, 19.1684



32.5699, 44.5285, 6.8782



3.2509, 4.3767, 0.6734

Inverse Universe

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



22.9875, 11.3964, 95.5959



19.5533, 8.1183, 95.1441



39.4803, 19.8988, 96.3677



17.3072, 17.5346, 22.7223



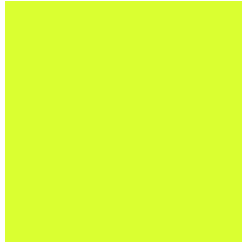
10.1029, 4.1187, 49.6971



1.0624, 0.4416, 4.8425

Previews

White Background



This preview shows how the XYZ color 65.2278, 86.6472, 16.1924 looks on a white background.

Color Contrast Check

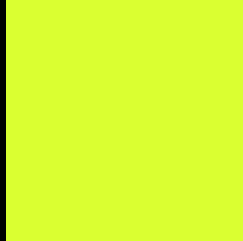
Large Text (above 18pt) WCAG AA × Fail

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 65.2278, 86.6472, 16.1924 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 65.2278, 86.6472, 16.1924

Background



This preview shows how black text looks on a background with the XYZ color 65.2278, 86.6472, 16.1924.



This preview shows how white text looks on a background with the XYZ color 65.2278, 86.6472,

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

65.2278, 86.6472, 16.1924

Protanopia

79.6493, 86.0101, 51.9388

Deuteranopia

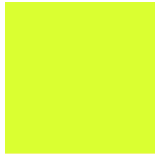
83.2457, 86.0550, 75.1735



Tritanopia

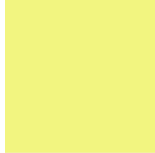
83.8844, 86.5462, 106.8916

Trichromacy



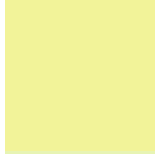
Original Color

65.2278, 86.6472, 16.1924



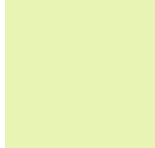
Protanomaly

73.1666, 85.7406, 33.1154



Deuteranomaly

74.4183, 85.2783, 42.6751



Tritanomaly

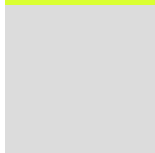
73.5439, 84.9856, 55.7077

Monochromacy



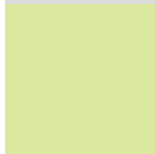
Original Color

65.2278, 86.6472, 16.1924



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.5239, 75.8065, 43.5791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2278, 86.6472, 16.1924 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(218, 255, 49)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 49)  
}
```

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(218, 255, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 49) }
```

Border

The CSS property to change the border of an element to XYZ 65.2278, 86.6472, 16.1924 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(218, 255, 49) }
```


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

```
.border{ border-color:rgb(218, 255, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 49);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2278, 86.6472, 16.1924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 49) }
```

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

```
.background{ background-color: rgb(218,  
255, 49) }
```

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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