Converting Colors

XYZ(66.0712, 86.7680, 30.4061)

Have a look what the booklet for XYZ(66.0712, 86.7680, 30.4061) contains.

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Color

XYZ(66.1814, 86.8251, 30.4103)

Conversions

Conversions Part 1

Format	Color
Hex	D4FF76
RGB	212, 255, 118
RGB Percent	83%, 100%, 46%
CMY	0.1686, 0.0000, 0.5372
CMYK	0.17, 0.00, 0.54, 0.00
HSL	79°, 100%, 73%
HSV	79°, 54%, 100%
XYZ	66.1814, 86.8251, 30.4103
YIQ	226.5250, 18.3490, -51.7230

Conversions

Conversions Part 2

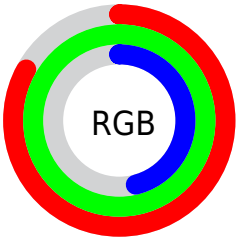
Format	Color
RYB	118, 255, 161
Decimal	13959030
CIELab	94.66, -33.83, 60.07
CIELCh	95, 68.940, 119.389
Yxy	86.8251, 0.3608, 0.4734
Android (android.graphics.Color)	4292149110 (0xFFD4FF76)
YUV	226.5250, -53.5028, -12.7384
Hunter-Lab	93.1800, -36.2848, 45.8761

Details

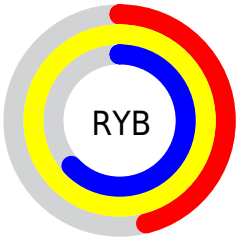
The XYZ color 66.1814, 86.8251, 30.4103 is a light color, and the websafe version is hex CCFF66. A complement of this color would be 39.2276, 27.7552, 97.8975, and the grayscale version is 73.0348, 76.8383, 83.6769.

A 20% lighter version of the original color is 84.5428, 95.7971, 53.5700, and 34.6089, 47.7156, 12.0886 is the 20% darker color. If you saturate the color by 10%, you get 62.6146, 85.1383, 23.3743, and if you desaturate by 10%, it is 70.2725, 88.7347, 39.6109.

Distribution

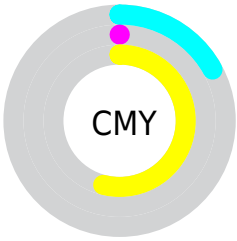


- Red (83%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (63%)

- Cyan (17%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1814, 86.8251, 30.4103 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 66.1814, 86.8251, 30.4103 by changing the saturation by 10% instead.

66.1814, 86.8251, 30.4103

66.1814, 86.8251, 30.4103

436.5038, 517.6480, 318.0789

48.6879, 65.3505, 19.8955

112.8029, 142.9203, 61.3791

34.5855, 47.7453, 12.1358

142.6617, 178.3097, 82.6702

23.5088, 33.6253, 6.7126

177.3730, 219.1062, 108.3905

15.0924, 22.6059, 3.2073

217.3020, 265.6941, 138.9586

8.9710, 14.3027, 1.2014

262.8143, 318.4578, 174.7929

4.7792, 8.3315, 0.0000

314.2751,

2.1517, 4.3078,

377.7818, 216.3120

372.0498, 444.0504, 263.9345

0.0000

0.7171, 1.8472, 0.0000

0.0000, 0.5163, 0.0000

66.1814, 86.8251, 30.4103

66.1814, 86.8251, 30.4103

62.6146, 85.1383, 23.3743

70.2725, 88.7347, 39.6109

59.5361, 83.6600, 18.3209

74.9191, 90.8799, 51.1309

56.9052, 82.3735, 15.0447

80.1502, 93.2726, 65.1151

54.6722, 81.2588, 13.2934

85.9923, 95.9234, 81.6956

53.4304, 80.6294, 12.7470

92.4704, 98.8424, 100.9948

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.

82.9067, 86.8251, 24.6320

66.1814, 86.8251, 30.4103

55.4014, 86.8251, 51.3688

Triad

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

66.1814, 86.8251, 30.4103

65.6127, 86.8251, 213.0005

123.7237, 86.8251, 95.6346

Complementary

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

66.1814, 86.8251, 30.4103

39.2276, 27.7552, 97.8975

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.

117.3089, 86.8251, 156.9077

66.1814, 86.8251, 30.4103

82.1437, 86.8251, 238.4871

Square

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

66.1814, 86.8251, 30.4103

55.1094, 86.8251, 154.2698

101.3587, 86.8251, 214.8838

117.7919, 86.8251, 52.6393

Rectangle

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

66.1814, 86.8251, 30.4103

52.1147, 86.8251, 76.8958

101.3587, 86.8251, 214.8838

122.9266, 86.8251, 114.6906

Sweetspot

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

66.1816, 86.8251, 30.4115

84.6077, 95.2968, 77.6872

56.9260, 47.3997, 23.2894

17.8475, 20.2787, 15.8780

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.

66.1816, 86.8251, 30.4115

62.5232, 85.0948, 23.2091

50.7784, 78.8845, 29.6907

18.9741, 20.7881, 19.1568

28.0797, 42.2137, 6.6681

2.8469, 4.1684, 0.6545

Inverse Universe

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

39.2276, 27.7552, 97.8975

33.1919, 20.6816, 96.8503

56.3973, 36.6065, 98.7010

17.5395, 17.6543, 22.7331

11.2968, 4.7342, 49.7530

1.2070, 0.5162, 4.8493

Previews

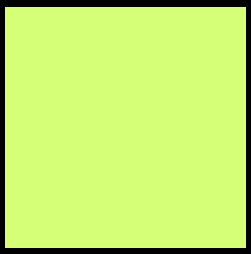
White Background

This preview shows how the XYZ color 66.1814, 86.8251, 30.4103 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



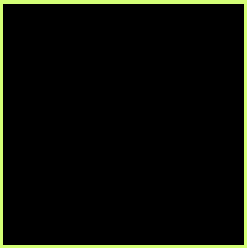
This preview shows how the XYZ color 66.1814, 86.8251, 30.4103 looks on a black background.

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 66.1814, 86.8251, 30.4103 Background



This preview shows how black text looks on a background with the XYZ color 66.1814, 86.8251, 30.4103.

This preview shows how white text looks on a background with the XYZ color 66.1814, 86.8251,

30.4103.

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
66.1814, 86.8251, 30.4103

Protanopia
79.9430, 86.1276, 53.4851

Deuteranopia
83.5012, 86.1572, 76.5190

Tritanopia
82.1651, 86.5291, 106.9790

Trichromacy

Original Color
66.1814, 86.8251, 30.4103

Protanomaly
74.1654, 86.0221, 43.7053

Deuteranomaly
75.8854, 85.7472, 55.7313

Tritanomaly
74.4123, 85.5599, 70.3504

Monochromacy

Original Color
66.1814, 86.8251, 30.4103

Achromatopsia
73.0128, 76.8151, 83.6517

Achromatomaly
69.3780, 79.6858, 58.7380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1814, 86.8251, 30.4103 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(212, 255, 118) looks like.

```
.text, #text, p{
    color:rgb(212, 255, 118)
}
```

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(212, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 118) }
```

Border

The CSS property to change the border of an element to XYZ 66.1814, 86.8251, 30.4103 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(212, 255, 118) }
```

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

```
.border{ border-color:rgb(212, 255, 118) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 255, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 255, 118); box-shadow:4px 4px 4px 4px rgb(212, 255, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1814, 86.8251, 30.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(212, 255, 118) }
```

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

```
.background{ background-color:rgb(212,
255, 118) }
```

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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