

Converting Colors

XYZ(66.3978, 83.3020, 26.5455)

Have a look what the booklet for
XYZ(66.3978, 83.3020, 26.5455)
contains.

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Color

**XYZ(66.3460, 83.2710,
26.4860)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF76B
RGB	223, 247, 107
RGB Percent	87%, 97%, 42%
CMY	0.1255, 0.0313, 0.5804
CMYK	0.10, 0.00, 0.57, 0.03
HSL	70°, 90%, 69%
HSV	70°, 57%, 97%
XYZ	66.3460, 83.2710, 26.4860
YIQ	223.8640, 30.6360, -48.6280

Conversions

Conversions Part 2

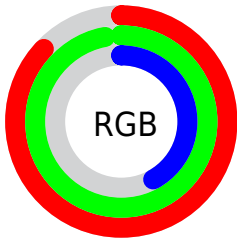
Format	Color
RYB	107, 247, 131
Decimal	14677867
CIELab	93.13, -26.86, 63.31
CIELCh	93, 68.776, 112.993
Yxy	83.2710, 0.3767, 0.4729
Android (android.graphics.Color)	4292867947 (0xFFDFF76B)
YUV	223.8640, -57.6140, -0.7577
Hunter-Lab	91.2529, -29.9132, 46.6682

Details

The XYZ color **66.3460, 83.2710, 26.4860** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.4092, 22.0581, 90.6028**, and the grayscale version is **71.1396, 74.8443, 81.5055**.

A 20% lighter version of the original color is **83.5216, 95.3886, 48.1922**, and **34.7454, 45.5000, 10.0831** is the 20% darker color. If you saturate the color by 10%, you get **63.9397, 82.1626, 20.5323**, and if you desaturate by 10%, it is **69.1600, 84.5522, 34.3991**.

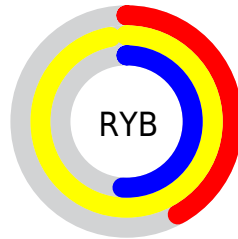
Distribution



Red (87%)

Green (97%)

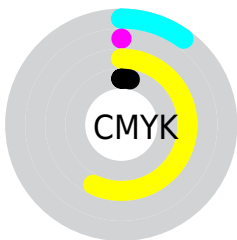
Blue (42%)



Red (42%)

Yellow (97%)

Blue (51%)

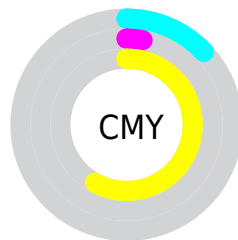


Cyan (10%)

Magenta (0%)

Yellow (57%)

Black (3%)



Cyan (13%)


Magenta (3%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3460, 83.2710, 26.4860 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 66.3460, 83.2710, 26.4860 by changing the saturation by 10% instead.


 66.3460, 83.2710,
26.4860

 66.3460, 83.2710,
26.4860


437.0824,
505.8892, 298.8408


 48.8221, 62.4137,
16.9586


 113.0378,
137.9550, 55.0516


 34.6923, 45.3671,
10.0433


 142.9363,
172.5504, 74.9269

 23.5914, 31.7467,
5.3217


 177.6905,
212.4941, 99.0885

 15.1539, 21.1681,
2.3752

 217.6656,
258.1704, 127.9550

 9.0145, 13.2469,
0.7729

263.2269,
309.9636, 161.9449

 4.8078, 7.5988,
0.0000

314.7400,

 2.1685, 3.8393,

368.2583, 201.4769

0.0000

372.5700,
433.4387, 246.9693

0.7261, 1.5841,
0.0000

0.0000, 0.3468,
0.0000

66.3460, 83.2710,
26.4860

66.3460, 83.2710,
26.4860

63.9397, 82.1626,
20.5323

69.1600, 84.5522,
34.3991

61.9024, 81.2025,
16.3613


72.4048, 86.0066,
44.4175


60.1977, 80.3792,
13.7737


76.1085, 87.6484,
56.6795


58.7772, 79.6733,
12.5161


80.2950, 89.4871,
71.3100

 58.3434, 79.4549,
12.2613

 84.9865, 91.5317,
88.4249

 90.1704, 93.7772,
107.9561

 91.6925, 94.5619,
108.0273

 92.5526, 95.0052,
108.0675

Harmonies

Analogous

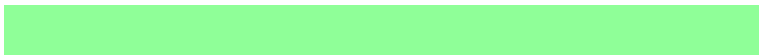
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4578, 83.2710, 23.4588



66.3460, 83.2710, 26.4860



54.5351, 83.2710, 43.0247

Triad

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



66.3460, 83.2710, 26.4860



60.0357, 83.2710, 195.4915



118.8447, 83.2710, 103.3461

Complementary

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



66.3460, 83.2710, 26.4860



31.4092, 22.0581, 90.6028

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.



110.2315, 83.2710, 164.6441



66.3460, 83.2710, 26.4860



74.9865, 83.2710, 229.4768

Square

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



66.3460, 83.2710, 26.4860



51.2974, 83.2710, 135.3123



93.4960, 83.2710, 216.4417



115.5982, 83.2710, 57.1132

Rectangle

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



66.3460, 83.2710, 26.4860



50.3745, 83.2710, 64.5857



93.4960, 83.2710, 216.4417



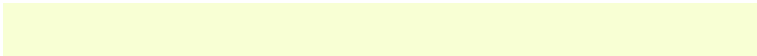
117.2015, 83.2710, 122.9684

Sweetspot

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



66.3480, 83.2748, 26.4877



86.1575, 96.1332, 76.0707



49.0416, 36.8921, 18.4471



18.2390, 20.4879, 15.5636



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.



66.3480, 83.2748, 26.4877



68.4024, 88.1736, 21.3171



49.1806, 74.4247, 25.6843



17.6195, 19.1614, 17.5674



30.9609, 42.0737, 6.4892



2.7931, 3.7350, 0.5737

Inverse Universe

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



31.4092, 22.0581, 90.6028



27.6348, 16.5956, 96.3545



45.9575, 29.5580, 91.2836



15.8460, 16.0632, 20.8079



9.4721, 3.8573, 46.7833



0.9063, 0.3770, 4.1152

Previews

White Background



This preview shows how the XYZ color 66.3460, 83.2710, 26.4860 looks on a white background.

Color Contrast Check

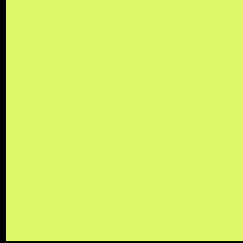
Large Text (above 18pt) WCAG AA × Fail

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 66.3460, 83.2710, 26.4860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

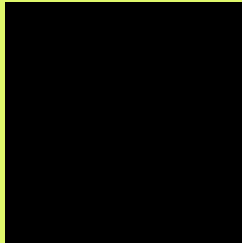
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3460, 83.2710, 26.4860

Background



This preview shows how black text looks on a background with the XYZ color 66.3460, 83.2710, 26.4860.

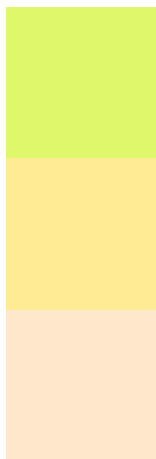


This preview shows how white text looks on a background with the XYZ color 66.3460, 83.2710,

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

66.3460, 83.2710, 26.4860

Protanopia

76.2936, 82.8148, 39.9807

Deuteranopia

80.7150, 82.7715, 68.8491



Tritanopia

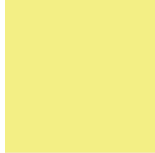
81.7085, 82.9661, 102.1500

Trichromacy



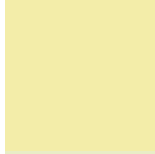
Original Color

66.3460, 83.2710, 26.4860



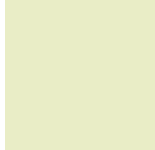
Protanomaly

72.0623, 82.4811, 34.3127



Deuteranomaly

74.4078, 82.4876, 49.5361



Tritanomaly

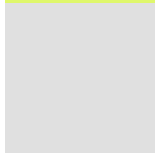
74.0815, 81.9692, 65.3432

Monochromacy



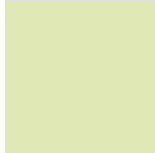
Original Color

66.3460, 83.2710, 26.4860



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.9376, 76.8967, 54.9779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3460, 83.2710, 26.4860 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(223, 247, 107)` looks like.

```
.text, #text, p{  
    color:rgb(223, 247, 107)  
}
```

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(223, 247, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 107) }
```

Border

The CSS property to change the border of an element to XYZ 66.3460, 83.2710, 26.4860 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(223, 247, 107) }
```


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

```
.border{ border-color:rgb(223, 247, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 247, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 247, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 247, 107); box-shadow:4px 4px 4px 4px rgb(223, 247, 107) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3460, 83.2710, 26.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 247, 107) }
```

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

```
.background{ background-color: rgb(223,  
247, 107) }
```

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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