

Converting Colors

XYZ(65.1379, 86.5957, 16.4180)

Have a look what the booklet for
XYZ(65.1379, 86.5957, 16.4180)
contains.

XYZ(65.2710, 86.6644, 16.4197)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.2710, 86.6644,
16.4197)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFF33
RGB	218, 255, 51
RGB Percent	85%, 100%, 20%
CMY	0.1451, 0.0000, 0.8000
CMYK	0.15, 0.00, 0.80, 0.00
HSL	71°, 100%, 60%
HSV	71°, 80%, 100%
XYZ	65.2710, 86.6644, 16.4197
YIQ	220.6810, 43.4320, -71.2880

Conversions

Conversions Part 2

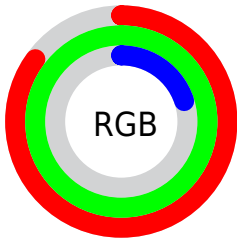
Format	Color
RYB	51, 255, 88
Decimal	14352179
CIELab	94.60, -35.58, 84.23
CIElCh	95, 91.433, 112.900
Yxy	86.6644, 0.3877, 0.5148
Android (android.graphics.Color)	4292542259 (0xFFDAFF33)
YUV	220.6810, -83.6527, -2.3512
Hunter-Lab	93.0937, -37.7619, 54.7081

Details

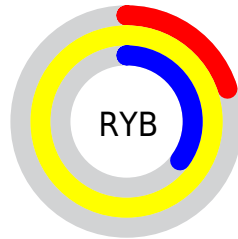
The XYZ color **65.2710, 86.6644, 16.4197** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **23.2597, 11.6637, 95.6331**, and the grayscale version is **69.0503, 72.6463, 79.1118**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **34.2946, 47.6573, 7.3913** is the 20% darker color. If you saturate the color by 10%, you get **63.4903, 85.7946, 14.1625**, and if you desaturate by 10%, it is **67.3982, 87.6774, 20.3019**.

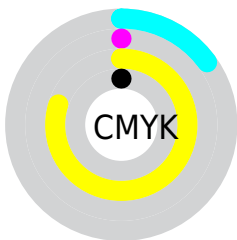
Distribution



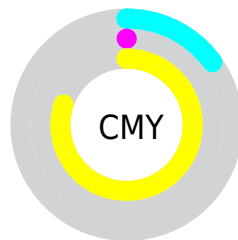
- Red (85%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (35%)



- Cyan (15%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.2710, 86.6644, 16.4197 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 65.2710, 86.6644, 16.4197 by changing the saturation by 10% instead.


 65.2710, 86.6644,
16.4197


 65.2710, 86.6644,
16.4197


433.2950,
517.1195, 243.7354

 47.9464, 65.2175,
9.6641


 111.5029,
142.6963, 38.1022


 33.9955, 47.6375,
5.0741


 141.1409,
178.0501, 53.8661


 23.0530, 33.5399,
2.2313


 175.6141,
218.8083, 73.4699

 14.7536, 22.5404,
0.6924

 215.2878,
265.3553, 97.3321

 8.7318, 14.2545,
0.0000

 260.5274,
318.0755, 125.8711

 4.6224, 8.2979,
0.0000

311.6982,

 2.0599, 4.2861,

377.3534, 159.5057

0.0000

369.1657,
443.5732, 198.6543

■ 0.6673, 1.8349,
0.0000

■ 0.0000, 0.5088,
0.0000

■ 65.2710, 86.6644,
16.4197

■ 65.2710, 86.6644,
16.4197

■ 63.4903, 85.7946,
14.1625

■ 67.3982, 87.6774,
20.3019

■ 61.9836, 85.0387,
13.1475

■ 69.9163, 88.8511,
26.0379

■ 61.9830, 85.0385,
13.1472

■ 72.8623, 90.2006,
33.8235

■ 76.2691, 91.7389,
43.8288

■ 80.1658, 93.4778,
56.2062

■ 84.5791, 95.4280,
71.0946

■ 89.5336, 97.5993,
88.6222

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.



88.3707, 86.6644, 13.5900



65.2710, 86.6644, 16.4197



50.0568, 86.6644, 33.8812

Triad

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



65.2710, 86.6644, 16.4197



56.9614, 86.6644, 249.3126



138.9259, 86.6644, 112.1561

Complementary

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



65.2710, 86.6644, 16.4197



23.2597, 11.6637, 95.6331

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.



126.2531, 86.6644, 202.2124



65.2710, 86.6644, 16.4197



76.6509, 86.6644, 303.3260

Square

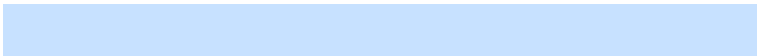
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2710, 86.6644, 16.4197



45.9700, 86.6644, 157.6509



102.2258, 86.6644, 282.7746



134.2028, 86.6644, 50.7854

Rectangle

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



65.2710, 86.6644, 16.4197



44.8673, 86.6644, 59.8113



102.2258, 86.6644, 282.7746



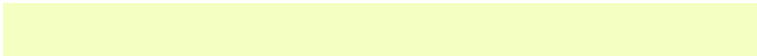
136.4864, 86.6644, 140.1702

Sweetspot

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



65.2710, 86.6645, 16.4209



82.7484, 94.6211, 64.8236



45.0869, 27.9974, 6.1608



17.3782, 20.1054, 12.7552



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.



65.2710, 86.6645, 16.4209



62.5646, 85.3318, 13.4661



43.9664, 75.6815, 15.4238



19.2191, 20.9144, 19.1683



32.5044, 44.4947, 6.8752



3.2451, 4.3737, 0.6732

Inverse Universe

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



23.2597, 11.6637, 95.6331



19.7146, 8.2425, 95.1596



39.7286, 20.1537, 96.4039



17.3102, 17.5362, 22.7224



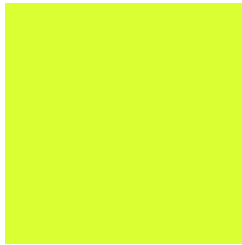
10.1142, 4.1245, 49.6976



1.0639, 0.4424, 4.8426

Previews

White Background



This preview shows how the XYZ color 65.2710, 86.6644, 16.4197 looks on a white background.

Color Contrast Check

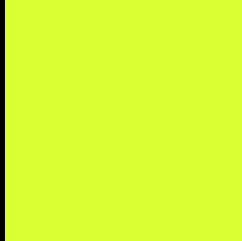
Large Text (above 18pt) WCAG AA × Fail

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 65.2710, 86.6644, 16.4197 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 65.2710, 86.6644, 16.4197

Background



This preview shows how black text looks on a background with the XYZ color 65.2710, 86.6644, 16.4197.

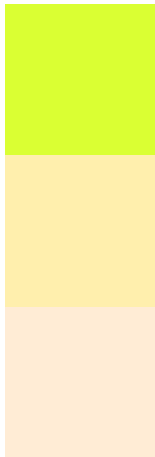


This preview shows how white text looks on a background with the XYZ color 65.2710, 86.6644,

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

65.2710, 86.6644, 16.4197

Protanopia

79.6493, 86.0101, 51.9388

Deuteranopia

83.2457, 86.0550, 75.1735



Tritanopia

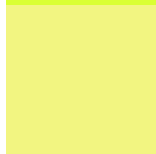
83.8844, 86.5462, 106.8916

Trichromacy



Original Color

65.2710, 86.6644, 16.4197



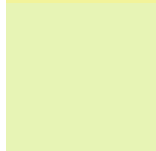
Protanomaly

73.2328, 85.7670, 33.4638



Deuteranomaly

74.5013, 85.3115, 43.1120



Tritanomaly

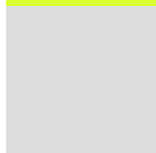
73.6462, 85.0265, 56.2462

Monochromacy



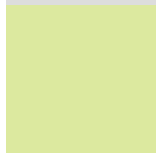
Original Color

65.2710, 86.6644, 16.4197



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

64.9121, 75.9967, 44.0485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2710, 86.6644, 16.4197 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 65.2710, 86.6644, 16.4197 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, 51) }
```


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

```
.border{ border-color:rgb(218, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2710, 86.6644, 16.4197 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, 51) }
```

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

```
.background{ background-color: rgb(218,  
255, 51) }
```

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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