

Converting Colors

XYZ(66.3250, 87.1683, 18.2557)

Have a look what the booklet for
XYZ(66.3250, 87.1683, 18.2557)
contains.

XYZ(66.2293, 87.1173, 18.3257)	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(66.2293, 87.1173,
18.3257)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFF41
RGB	220, 255, 65
RGB Percent	86%, 100%, 25%
CMY	0.1373, 0.0000, 0.7451
CMYK	0.14, 0.00, 0.75, 0.00
HSL	71°, 100%, 63%
HSV	71°, 75%, 100%
XYZ	66.2293, 87.1173, 18.3257
YIQ	222.8750, 40.1300, -66.5100

Conversions

Conversions Part 2

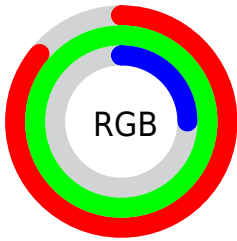
Format	Color
RYB	65, 255, 100
Decimal	14483265
CIELab	94.79, -34.26, 80.59
CIELCh	95, 87.569, 113.030
Yxy	87.1173, 0.3858, 0.5075
Android (android.graphics.Color)	4292673345 (0xFFDCFF41)
YUV	222.8750, -77.8324, -2.5214
Hunter-Lab	93.3366, -36.6801, 53.6947

Details

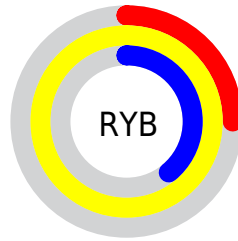
The XYZ color **66.2293, 87.1173, 18.3257** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **25.1972, 13.7113, 95.9262**, and the grayscale version is **70.5657, 74.2406, 80.8480**.

A 20% lighter version of the original color is **80.7659, 94.2864, 33.6809**, and **34.8920, 47.9652, 7.4192** is the 20% darker color. If you saturate the color by 10%, you get **64.2476, 86.1626, 15.2087**, and if you desaturate by 10%, it is **68.5841, 88.2257, 23.2011**.

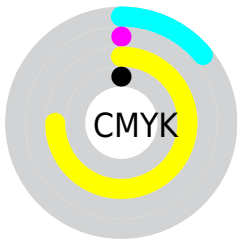
Distribution



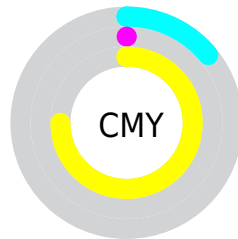
- Red (86%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (39%)



- Cyan (14%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2293, 87.1173, 18.3257 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 66.2293, 87.1173, 18.3257 by changing the saturation by 10% instead.


 66.2293, 87.1173,
18.3257


 66.2293, 87.1173,
18.3257


436.6722,
518.6082, 254.9980

 48.7270, 65.5923,
11.0122


 112.8713,
143.3276, 41.4129


 34.6166, 47.9415,
5.9608


 142.7416,
178.7817, 58.0238


 23.5328, 33.7806,
2.7528


 177.4654,
219.6476, 78.5708

 15.1103, 22.7251,
0.9699

 217.4078,
266.3098, 103.4726

 8.9836, 14.3906,
0.0000

 262.9344,
319.1525, 133.1477

 4.7875, 8.3929,
0.0000

314.4104,

 2.1566, 4.3473,

378.5602, 168.0146

0.0000

372.2012,
444.9173, 208.4918

0.7197, 1.8697,
0.0000

0.0000, 0.5301,
0.0000

66.2293, 87.1173,
18.3257

66.2293, 87.1173,
18.3257

64.2476, 86.1626,
15.2087

68.5841, 88.2257,
23.2011

62.5899, 85.3422,
13.5896

71.3520, 89.5041,
30.0407

61.7790, 84.9333,
13.1377

74.5676, 90.9663,
39.0260

78.2615, 92.6245,
50.3165

■ 82.4614, 94.4899,
64.0568

■ 87.1930, 96.5727,
80.3798

■ 92.4798, 98.8825,
99.4086

■ 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.



88.4537, 87.1173, 15.3503



66.2293, 87.1173, 18.3257



51.4798, 87.1173, 36.0422

Triad

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



66.2293, 87.1173, 18.3257



58.3177, 87.1173, 241.9250



136.7479, 87.1173, 111.5830

Complementary

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



66.2293, 87.1173, 18.3257



25.1972, 13.7113, 95.9262

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.



124.7893, 87.1173, 196.9314



66.2293, 87.1173, 18.3257



77.3970, 87.1173, 292.2166

Square

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



66.2293, 87.1173, 18.3257



47.5574, 87.1173, 155.5950



101.9325, 87.1173, 272.6948



132.1969, 87.1173, 52.4245

Rectangle

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



66.2293, 87.1173, 18.3257



46.4283, 87.1173, 61.6472



101.9325, 87.1173, 272.6948



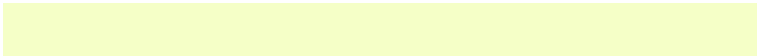
134.4599, 87.1173, 138.2541

Sweetspot

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



66.2293, 87.1173, 18.3269



83.5967, 94.9912, 67.9011



46.7362, 30.7254, 8.4695



17.6306, 20.2161, 13.6451



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.



66.2293, 87.1173, 18.3269



63.4661, 85.7788, 14.3137



45.1969, 76.2747, 17.3426



19.2138, 20.9116, 19.1680



32.3991, 44.4404, 6.8702



3.2358, 4.3689, 0.6727

Inverse Universe

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



25.1972, 13.7113, 95.9262



20.9821, 9.3497, 95.3065



42.4040, 22.5817, 96.7315



17.3151, 17.5387, 22.7226



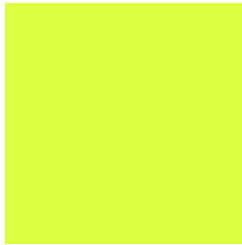
10.1326, 4.1340, 49.6985



1.0664, 0.4437, 4.8427

Previews

White Background



This preview shows how the XYZ color 66.2293, 87.1173, 18.3257 looks on a white background.

Color Contrast Check

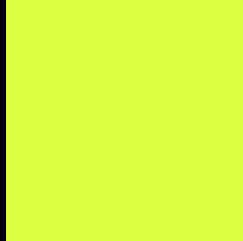
Large Text (above 18pt) WCAG AA × Fail

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 66.2293, 87.1173, 18.3257 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 66.2293, 87.1173, 18.3257

Background



This preview shows how black text looks on a background with the XYZ color 66.2293, 87.1173, 18.3257.

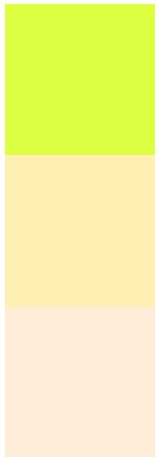


This preview shows how white text looks on a background with the XYZ color 66.2293, 87.1173,

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

66.2293, 87.1173, 18.3257

Protanopia

80.3359, 86.7545, 54.1061

Deuteranopia

83.7899, 86.7347, 76.6152



Tritanopia

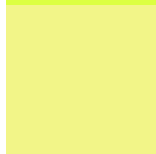
84.2211, 86.7198, 106.9074

Trichromacy



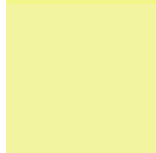
Original Color

66.2293, 87.1173, 18.3257



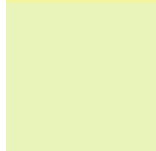
Protanomaly

73.7143, 85.9596, 35.9993



Deuteranomaly

75.3138, 86.1167, 45.9104



Tritanomaly

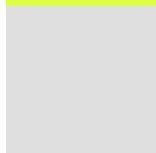
74.4923, 85.4023, 59.0125

Monochromacy



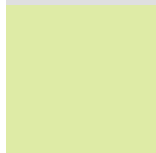
Original Color

66.2293, 87.1173, 18.3257



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.7155, 77.6994, 47.5576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2293, 87.1173, 18.3257 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(220, 255, 65)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 65)  
}
```

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(220, 255, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 65) }
```

Border

The CSS property to change the border of an element to XYZ 66.2293, 87.1173, 18.3257 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(220, 255, 65) }
```


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

```
.border{ border-color:rgb(220, 255, 65) }
```

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

Here you see how a box with a 4 pixel rgb(220, 255, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 65);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2293, 87.1173, 18.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 65) }
```

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

```
.background{ background-color: rgb(220,  
255, 65) }
```

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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