

Converting Colors

XYZ(66.6530, 87.3218, 18.9720)

Have a look what the booklet for
XYZ(66.6530, 87.3218, 18.9720)
contains.

XYZ(66.6530, 87.3218, 18.9720)	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(66.6530, 87.3218,
18.9720)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFF45
RGB	221, 255, 69
RGB Percent	87%, 100%, 27%
CMY	0.1333, 0.0000, 0.7294
CMYK	0.13, 0.00, 0.73, 0.00
HSL	71°, 100%, 64%
HSV	71°, 73%, 100%
XYZ	66.6530, 87.3218, 18.9720
YIQ	223.6300, 39.4420, -65.0540

Conversions

Conversions Part 2

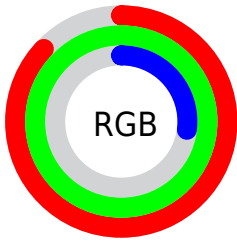
Format	Color
R _Y B	69, 255, 103
Decimal	14548805
CIE Lab	94.87, -33.69, 79.46
CIE LCh	95, 86.303, 112.977
Yxy	87.3218, 0.3854, 0.5049
Android (android.graphics.Color)	4292738885 (0xFFDDFF45)
YUV	223.6300, -76.2326, -2.3065
Hunter-Lab	93.4461, -36.2107, 53.3749

Details

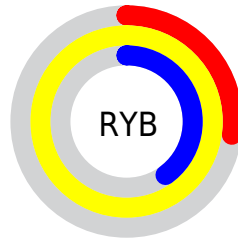
The XYZ color **66.6530, 87.3218, 18.9720** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **25.7729, 14.3611, 96.0213**, and the grayscale version is **71.0943, 74.7967, 81.4536**.

A 20% lighter version of the original color is **80.9624, 94.3650, 34.7160**, and **35.0944, 48.0695, 7.4287** is the 20% darker color. If you saturate the color by 10%, you get **64.6243, 86.3486, 15.5955**, and if you desaturate by 10%, it is **69.0611, 88.4513, 24.1423**.

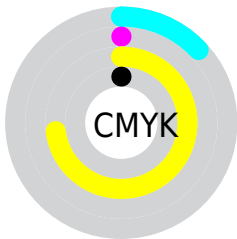
Distribution



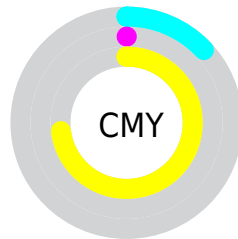
- Red (87%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (40%)



- Cyan (13%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6530, 87.3218, 18.9720 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 66.6530, 87.3218, 18.9720 by changing the saturation by 10% instead.

66.6530, 87.3218,
18.9720

66.6530, 87.3218,
18.9720

438.1605,
519.2797, 258.7117

49.0723, 65.7615,
11.4734

113.4756,
143.6126, 42.5228

34.8916, 48.0789,
6.2681

143.4483,
179.1119, 59.4122

23.7455, 33.8893,
2.9373

178.2823,
220.0264, 80.2689

15.2687, 22.8086,
1.0627

218.3430,
266.7404, 105.5116

9.0957, 14.4522,
0.0000

263.9959,
319.6383, 135.5586

4.8613, 8.4359,
0.0000

315.6062,

2.2000, 4.3751,

379.1046, 170.8286

0.0000

373.5393,
445.5236, 211.7401

■ 0.7427, 1.8855,
0.0000

■ 0.0000, 0.5397,
0.0000

■ 66.6530, 87.3218,
18.9720

■ 66.6530, 87.3218,
18.9720

■ 64.6243, 86.3486,
15.5955

■ 69.0611, 88.4513,
24.1423

■ 62.9275, 85.5127,
13.7615

■ 71.8874, 89.7527,
31.3067

■ 61.8807, 84.9857,
13.1424

■ 75.1657, 91.2395,
40.6428

■ 78.9264, 92.9239,
52.3078

83.1965, 94.8168,
66.4442

88.0015, 96.9283,
83.1830

93.3647, 99.2679,
102.6462

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.



88.6169, 87.3218, 15.9854



66.6530, 87.3218, 18.9720



52.0250, 87.3218, 36.7077

Triad

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



66.6530, 87.3218, 18.9720



58.7595, 87.3218, 239.4000



136.0995, 87.3218, 111.7092

Complementary

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



66.6530, 87.3218, 18.9720



25.7729, 14.3611, 96.0213

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.



124.3200, 87.3218, 195.6067



66.6530, 87.3218, 18.9720



77.6194, 87.3218, 288.7060

Square

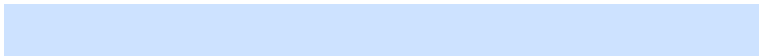
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6530, 87.3218, 18.9720



48.1012, 87.3218, 154.7252



101.8151, 87.3218, 269.7403



131.6573, 87.3218, 53.1494

Rectangle

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



66.6530, 87.3218, 18.9720



46.9995, 87.3218, 62.1421



101.8151, 87.3218, 269.7403



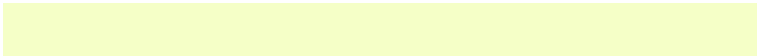
133.8417, 87.3218, 137.9806

Sweetspot

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



66.6531, 87.3218, 18.9732



83.6243, 95.0055, 67.9024



46.8721, 30.8052, 9.1069



17.6372, 20.2195, 13.6454



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.



66.6531, 87.3218, 18.9732



63.7274, 85.9098, 14.4923



46.1952, 76.7754, 18.0158



19.2164, 20.9130, 19.1681



32.4516, 44.4675, 6.8727



3.2405, 4.3713, 0.6730

Inverse Universe

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



25.7729, 14.3611, 96.0213



21.1740, 9.5424, 95.3336



42.1715, 22.8149, 96.7888



17.3127, 17.5374, 22.7225



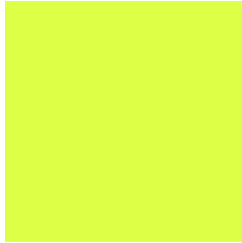
10.1233, 4.1293, 49.6981



1.0651, 0.4430, 4.8426

Previews

White Background



This preview shows how the XYZ color 66.6530, 87.3218, 18.9720 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 66.6530, 87.3218, 18.9720 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 66.6530, 87.3218, 18.9720

Background



This preview shows how black text looks on a background with the XYZ color 66.6530, 87.3218, 18.9720.

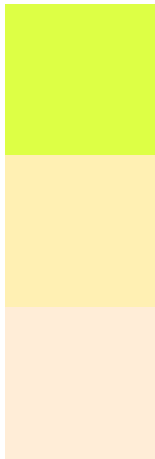


This preview shows how white text looks on a background with the XYZ color 66.6530, 87.3218,

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

66.6530, 87.3218, 18.9720

Protanopia

80.5368, 86.8348, 55.1639

Deuteranopia

83.7899, 86.7347, 76.6152



Tritanopia

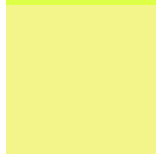
84.5597, 86.8943, 106.9233

Trichromacy



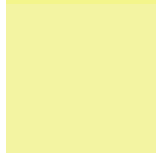
Original Color

66.6530, 87.3218, 18.9720



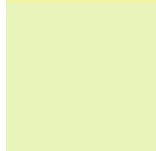
Protanomaly

74.2748, 86.2236, 37.1542



Deuteranomaly

75.8344, 86.3647, 46.8556



Tritanomaly

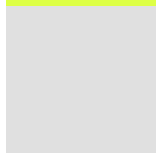
74.9246, 85.6129, 59.5897

Monochromacy



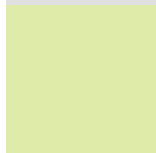
Original Color

66.6530, 87.3218, 18.9720



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.2076, 77.9318, 48.5459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6530, 87.3218, 18.9720 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(221, 255, 69)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 69)  
}
```

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(221, 255, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 69) }
```

Border

The CSS property to change the border of an element to XYZ 66.6530, 87.3218, 18.9720 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(221, 255, 69) }
```


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

```
.border{ border-color:rgb(221, 255, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 69);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6530, 87.3218, 18.9720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 69) }
```

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

```
.background{ background-color: rgb(221,  
255, 69) }
```

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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