

Converting Colors

XYZ(66.8215, 87.2558, 25.8906)

Have a look what the booklet for
XYZ(66.8215, 87.2558, 25.8906)
contains.

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Color

**XYZ(66.7735, 87.2310,
25.8883)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FF66
RGB	217, 255, 102
RGB Percent	85%, 100%, 40%
CMY	0.1490, 0.0000, 0.6000
CMYK	0.15, 0.00, 0.60, 0.00
HSL	75°, 100%, 70%
HSV	75°, 60%, 100%
XYZ	66.7735, 87.2310, 25.8883
YIQ	226.1960, 26.4650, -55.6390

Conversions

Conversions Part 2

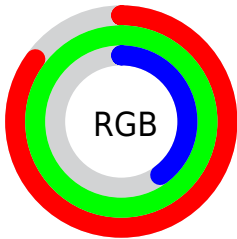
Format	Color
RYB	102, 255, 140
Decimal	14286694
CIELab	94.84, -33.26, 67.20
CIELCh	95, 74.974, 116.331
Yxy	87.2310, 0.3712, 0.4849
Android (android.graphics.Color)	4292476774 (0xFFD9FF66)
YUV	226.1960, -61.2286, -8.0649
Hunter-Lab	93.3975, -35.8292, 48.9440

Details

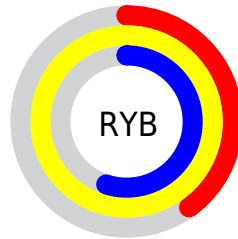
The XYZ color **66.7735, 87.2310, 25.8883** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **33.6179, 22.2995, 97.1401**, and the grayscale version is **72.8459, 76.6396, 83.4605**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **34.9282, 47.9335, 9.6967** is the 20% darker color. If you saturate the color by 10%, you get **63.8505, 85.8484, 20.1349**, and if you desaturate by 10%, it is **70.1579, 88.8064, 33.6952**.

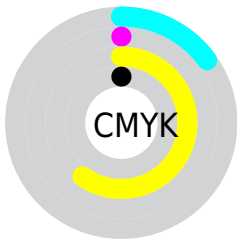
Distribution



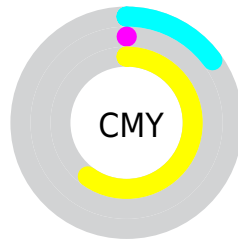
- Red (85%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (55%)



- Cyan (15%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.7735, 87.2310, 25.8883 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 66.7735, 87.2310, 25.8883 by changing the saturation by 10% instead.


 66.7735, 87.2310,
25.8883


 66.7735, 87.2310,
25.8883


438.5833,
518.9816, 295.8213


 49.1706, 65.6864,
16.5151


 113.6474,
143.4861, 54.0766


 34.9699, 48.0179,
9.7311


 143.6491,
178.9653, 73.7287

 23.8061, 33.8410,
5.1178


 178.5144,
219.8582, 97.6442

 15.3138, 22.7715,
2.2566

 218.6088,
266.5492, 126.2416

 9.1277, 14.4249,
0.7067

264.2975,
319.4226, 159.9395

 4.8823, 8.4168,
0.0000

315.9459,

 2.2124, 4.3628,

378.8629, 199.1564

0.0000

373.9194,
445.2545, 244.3108

■ 0.7493, 1.8785,
0.0000

■ 0.0000, 0.5354,
0.0000

■ 66.7735, 87.2310,
25.8883

■ 66.7735, 87.2310,
25.8883

■ 63.8505, 85.8484,
20.1349

■ 70.1579, 88.8064,
33.6952

■ 61.3507, 84.6434,
16.2368

■ 74.0364, 90.5880,
43.7221

■ 59.2293, 83.5980,
13.9628

■ 78.4388, 92.5876,
56.1226

■ 57.4135, 82.6828,
12.9335

■ 83.3923, 94.8162,
71.0357

■ 57.4132, 82.6826,
12.9334

■ 88.9219, 97.2841,
88.5897

95.0500, 100.0000,
108.9000

Harmonies

Analogous

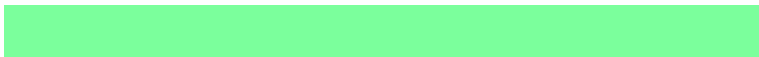
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4332, 87.2310, 21.3966



66.7735, 87.2310, 25.8883



54.4821, 87.2310, 45.5065

Triad

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



66.7735, 87.2310, 25.8883



63.0984, 87.2310, 221.7056



128.2842, 87.2310, 102.3138

Complementary

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



66.7735, 87.2310, 25.8883



33.6179, 22.2995, 97.1401

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.



119.8250, 87.2310, 171.4133



66.7735, 87.2310, 25.8883



80.4378, 87.2310, 255.9235

Square

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



66.7735, 87.2310, 25.8883



52.6160, 87.2310, 153.6963



101.4579, 87.2310, 234.5322



123.0461, 87.2310, 53.5218

Rectangle

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



66.7735, 87.2310, 25.8883



50.4713, 87.2310, 70.9362



101.4579, 87.2310, 234.5322



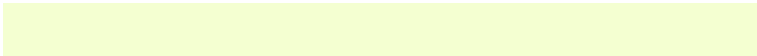
126.9172, 87.2310, 123.9216

Sweetspot

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



66.7736, 87.2310, 25.8895



84.4504, 95.2899, 74.3283



52.6845, 40.3114, 17.5757



17.7477, 20.2490, 14.8905



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.



66.7736, 87.2310, 25.8895



63.3175, 85.5935, 19.2128



49.4522, 78.3015, 25.0789



19.0947, 20.8502, 19.1624



30.1430, 43.2774, 6.7647



3.0343, 4.2650, 0.6633

Inverse Universe

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



33.6179, 22.2995, 97.1401



27.6651, 15.5596, 96.1529



50.5921, 31.0501, 97.9345



17.4256, 17.5956, 22.7278



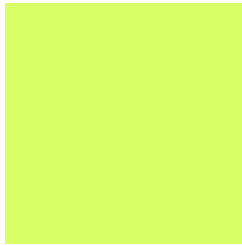
10.6271, 4.3889, 49.7216



1.1292, 0.4760, 4.8456

Previews

White Background



This preview shows how the XYZ color 66.7735, 87.2310, 25.8883 looks on a white background.

Color Contrast Check

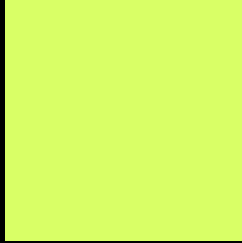
Large Text (above 18pt) WCAG AA × Fail

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 66.7735, 87.2310, 25.8883 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 66.7735, 87.2310, 25.8883

Background



This preview shows how black text looks on a background with the XYZ color 66.7735, 87.2310, 25.8883.



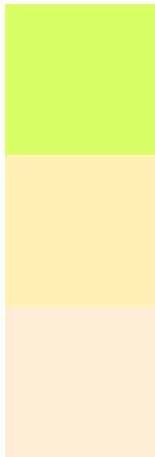
This preview shows how white text looks on a background with the XYZ color 66.7735, 87.2310,

25.8883.

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

66.7735, 87.2310, 25.8883

Protanopia

80.5368, 86.8348, 55.1639

Deuteranopia

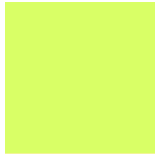
83.9189, 86.7862, 77.2942



Tritanopia

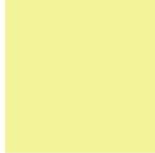
83.5086, 86.7859, 106.9577

Trichromacy



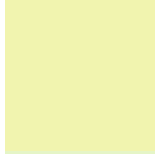
Original Color

66.7735, 87.2310, 25.8883



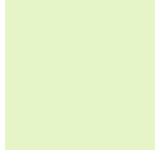
Protanomaly

74.5139, 86.2400, 41.9968



Deuteranomaly

76.3642, 86.4973, 53.2283



Tritanomaly

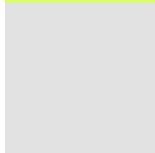
75.2743, 86.0864, 66.6818

Monochromacy



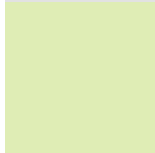
Original Color

66.7735, 87.2310, 25.8883



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.0561, 79.5925, 55.4393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7735, 87.2310, 25.8883 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(217, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 102)  
}
```

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(217, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 66.7735, 87.2310, 25.8883 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(217, 255, 102) }
```


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

```
.border{ border-color:rgb(217, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7735, 87.2310, 25.8883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 102) }
```

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

```
.background{ background-color: rgb(217,  
255, 102) }
```

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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