

Converting Colors

XYZ(72.6644, 100.0000,
24.7203)

Have a look what the booklet for
XYZ(72.6644, 100.0000, 24.7203)
contains.

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Color

**XYZ(66.1367, 86.9763,
22.5348)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FF58
RGB	217, 255, 88
RGB Percent	85%, 100%, 35%
CMY	0.1490, 0.0000, 0.6549
CMYK	0.15, 0.00, 0.65, 0.00
HSL	74°, 100%, 67%
HSV	74°, 65%, 100%
XYZ	66.1367, 86.9763, 22.5348
YIQ	224.6000, 30.9590, -59.9930

Conversions

Conversions Part 2

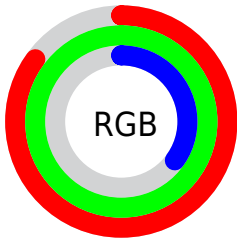
Format	Color
RYB	88, 255, 126
Decimal	14286680
CIELab	94.73, -34.21, 72.61
CIELCh	95, 80.263, 115.226
Yxy	86.9763, 0.3765, 0.4952
Android (android.graphics.Color)	4292476760 (0xFFD9FF58)
YUV	224.6000, -67.3438, -6.6652
Hunter-Lab	93.2611, -36.6225, 50.9564

Details

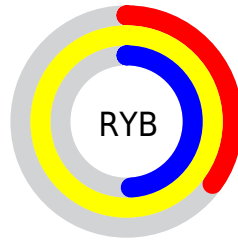
The XYZ color **66.1367, 86.9763, 22.5348** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **30.1452, 18.6364, 96.6161**, and the grayscale version is **71.7328, 75.4685, 82.1852**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **34.6097, 47.8061, 8.0195** is the 20% darker color. If you saturate the color by 10%, you get **63.5638, 85.7513, 17.8320**, and if you desaturate by 10%, it is **69.1396, 88.3802, 29.1874**.

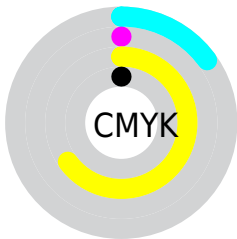
Distribution



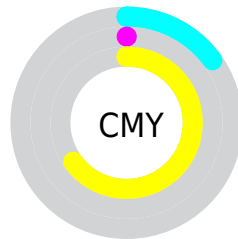
- Red (85%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (49%)



- Cyan (15%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.1367, 86.9763, 22.5348 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 66.1367, 86.9763, 22.5348 by changing the saturation by 10% instead.


 66.1367, 86.9763,
22.5348

 66.1367, 86.9763,
22.5348


436.3465,
518.1450, 278.3706

 48.6515, 65.4756,
14.0483


 112.7392,
143.1311, 48.5418


 34.5565, 47.8468,
8.0151


 142.5871,
178.5540, 66.8994

 23.4864, 33.7056,
4.0167

 177.2867,
219.3864, 89.3845

 15.0757, 22.6675,
1.6345

 217.2033,
266.0127, 116.4155

 8.9592, 14.3482,
0.3153

262.7022,
318.8173, 148.4111

 4.7715, 8.3632,
0.0000

314.1488,

 2.1472, 4.3282,

378.1847, 185.7898

0.0000

371.9085,
444.4991, 228.9701

0.7147, 1.8588,
0.0000

0.0000, 0.5234,
0.0000

66.1367, 86.9763,
22.5348

66.1367, 86.9763,
22.5348

63.5638, 85.7513,
17.8320

69.1396, 88.3802,
29.1874

61.3797, 84.6889,
14.8622

72.6077, 89.9773,
37.9686

59.5338, 83.7685,
13.3633

76.5722, 91.7801,
49.0412

58.7790, 83.3867,
12.9973

81.0614, 93.8000,
62.5510

■ 86.1013, 96.0474,
78.6319

■ 91.7160, 98.5322,
97.4078

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.



86.1879, 86.9763, 18.5770



66.1367, 86.9763, 22.5348



52.9245, 86.9763, 41.6082

Triad

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



66.1367, 86.9763, 22.5348



61.0902, 86.9763, 230.5981



131.5844, 86.9763, 104.9940

Complementary

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



66.1367, 86.9763, 22.5348



30.1452, 18.6364, 96.6161

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.



121.8768, 86.9763, 180.4657



66.1367, 86.9763, 22.5348



79.2460, 86.9763, 270.5660

Square

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



66.1367, 86.9763, 22.5348



50.3880, 86.9763, 155.2757



101.7480, 86.9763, 249.0604



126.4281, 86.9763, 52.3723

Rectangle

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



66.1367, 86.9763, 22.5348



48.5428, 86.9763, 67.3929



101.7480, 86.9763, 249.0604



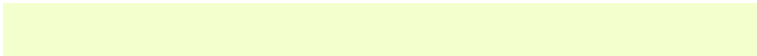
129.9092, 86.9763, 128.5426

Sweetspot

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



66.1368, 86.9763, 22.5360



83.7576, 95.0046, 71.0500



50.2328, 36.4270, 13.6172



17.6275, 20.2010, 14.2549



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.



66.1368, 86.9763, 22.5360



62.7548, 85.3606, 16.6036



47.5650, 77.4022, 21.6668



19.1332, 20.8701, 19.1642



30.8493, 43.6415, 6.7977



3.0977, 4.2977, 0.6663

Inverse Universe

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



30.1452, 18.6364, 96.6161



24.5367, 12.4914, 95.7256



47.4640, 27.5646, 97.4266



17.3897, 17.5771, 22.7261



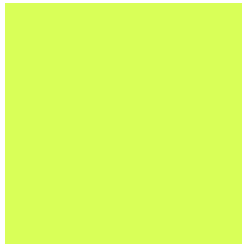
10.4497, 4.2975, 49.7133



1.1074, 0.4648, 4.8446

Previews

White Background



This preview shows how the XYZ color 66.1367, 86.9763, 22.5348 looks on a white background.

Color Contrast Check

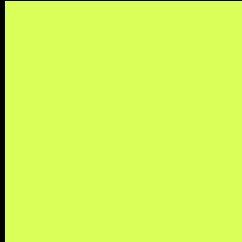
Large Text (above 18pt) WCAG AA × Fail

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 66.1367, 86.9763, 22.5348 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 66.1367, 86.9763, 22.5348

Background



This preview shows how black text looks on a background with the XYZ color 66.1367, 86.9763, 22.5348.

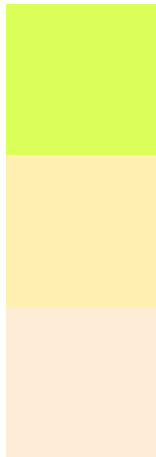


This preview shows how white text looks on a background with the XYZ color 66.1367, 86.9763,

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

66.1367, 86.9763, 22.5348

Protanopia

79.9430, 86.1276, 53.4851

Deuteranopia

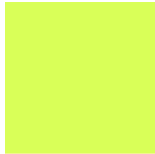
83.5012, 86.1572, 76.5190



Tritanopia

83.5086, 86.7859, 106.9577

Trichromacy



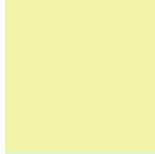
Original Color

66.1367, 86.9763, 22.5348



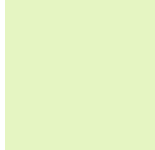
Protanomaly

73.9621, 86.0192, 39.0907



Deuteranomaly

75.4877, 85.6665, 50.0928



Tritanomaly

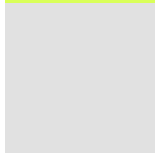
74.7031, 85.8579, 63.6739

Monochromacy



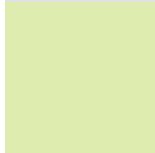
Original Color

66.1367, 86.9763, 22.5348



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.8575, 78.6156, 52.1553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1367, 86.9763, 22.5348 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 88) }
```

Border

The CSS property to change the border of an element to XYZ 66.1367, 86.9763, 22.5348 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, 88) }
```


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

```
.border{ border-color:rgb(217, 255, 88) }
```

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, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1367, 86.9763, 22.5348 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, 88) }
```

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

```
.background{ background-color: rgb(217,  
255, 88) }
```

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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