

Converting Colors

XYZ(67.0367, 87.4402, 22.5770)

Have a look what the booklet for
XYZ(67.0367, 87.4402, 22.5770)
contains.

XYZ(67.0367, 87.4402, 22.5770)	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(67.0367, 87.4402,
22.5770)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFF58
RGB	220, 255, 88
RGB Percent	86%, 100%, 35%
CMY	0.1373, 0.0000, 0.6549
CMYK	0.14, 0.00, 0.65, 0.00
HSL	73°, 100%, 67%
HSV	73°, 65%, 100%
XYZ	67.0367, 87.4402, 22.5770
YIQ	225.4970, 32.7470, -59.3570

Conversions

Conversions Part 2

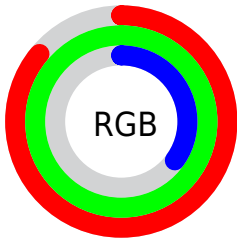
Format	Color
R _Y B	88, 255, 123
Decimal	14483288
CIE Lab	94.92, -33.05, 72.87
CIE LCh	95, 80.019, 114.398
Yxy	87.4402, 0.3786, 0.4939
Android (android.graphics.Color)	4292673368 (0xFFDCFF58)
YUV	225.4970, -67.7860, -4.8209
Hunter-Lab	93.5095, -35.6754, 51.1416

Details

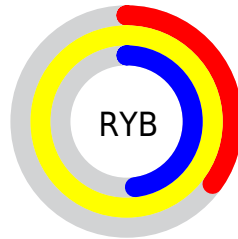
The XYZ color **67.0367, 87.4402, 22.5770** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **29.7094, 18.4118, 96.5957**, and the grayscale version is **72.3822, 76.1518, 82.9293**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **35.0012, 48.0089, 7.9942** is the 20% darker color. If you saturate the color by 10%, you get **64.5666, 86.2683, 17.8789**, and if you desaturate by 10%, it is **69.9280, 88.7866, 29.2244**.

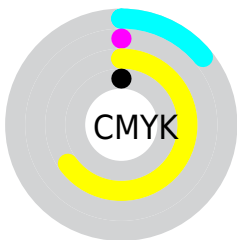
Distribution



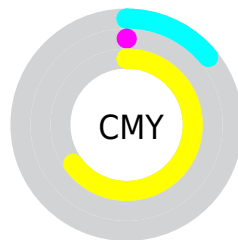
- Red (86%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (48%)



- Cyan (14%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0367, 87.4402, 22.5770 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 67.0367, 87.4402, 22.5770 by changing the saturation by 10% instead.


 67.0367, 87.4402,
22.5770

 67.0367, 87.4402,
22.5770


439.5058,
519.6683, 278.5960


 49.3853, 65.8596,
14.0791


 114.0225,
143.7775, 48.6122


 35.1410, 48.1584,
8.0363


 144.0876,
179.3030, 66.9866

 23.9385, 33.9523,
4.0301

 179.0212,
220.2456, 89.4902

 15.4125, 22.8570,
1.6419

 219.1888,
266.9896, 116.5416

 9.1976, 14.4879,
0.3204

264.9557,
319.9195, 148.5594

 4.9284, 8.4608,
0.0000

316.6873,

 2.2397, 4.3912,

379.4196, 185.9620

0.0000

374.7489,
445.8744, 229.1680

0.7635, 1.8947,
0.0000

0.0000, 0.5452,
0.0000

67.0367, 87.4402,
22.5770

67.0367, 87.4402,
22.5770

64.5666, 86.2683,
17.8789

69.9280, 88.7866,
29.2244

62.4765, 85.2543,
14.9136

73.2752, 90.3214,
38.0000

60.7159, 84.3779,
13.4187

77.1098, 92.0572,
49.0666

59.9968, 84.0145,
13.0543

81.4596, 94.0053,
62.5699

86.3508, 96.1761,
78.6438

91.8072, 98.5792,
97.4124

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.



87.2493, 87.4402, 18.9238



67.0367, 87.4402, 22.5770



53.5887, 87.4402, 41.2074

Triad

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



67.0367, 87.4402, 22.5770



61.1075, 87.4402, 229.1794



131.9387, 87.4402, 107.3556

Complementary

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



67.0367, 87.4402, 22.5770



29.7094, 18.4118, 96.5957

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.



121.8636, 87.4402, 183.0978



67.0367, 87.4402, 22.5770



79.1023, 87.4402, 270.5404

Square

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



67.0367, 87.4402, 22.5770



50.6058, 87.4402, 153.5956



101.5651, 87.4402, 250.7764



127.1967, 87.4402, 53.8830

Rectangle

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



67.0367, 87.4402, 22.5770



49.0494, 87.4402, 66.5479



101.5651, 87.4402, 250.7764



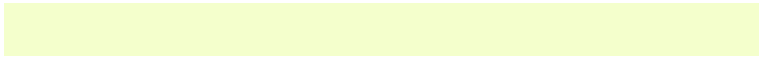
130.1260, 87.4402, 131.1006

Sweetspot

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



67.0368, 87.4403, 22.5782



84.0753, 95.1684, 71.0648



49.8883, 35.7379, 13.5025



17.7044, 20.2406, 14.2585



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.



67.0368, 87.4403, 22.5782



63.7916, 85.8951, 16.6521



48.0201, 77.6368, 21.6882



19.1666, 20.8873, 19.1658



31.4787, 43.9659, 6.8272



3.1540, 4.3267, 0.6689

Inverse Universe

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



29.7094, 18.4118, 96.5957



24.1482, 12.2911, 95.7074



46.6899, 27.1655, 97.3904



17.3587, 17.5611, 22.7247



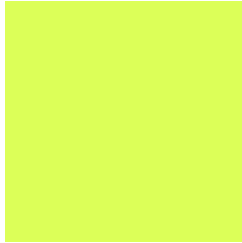
10.3099, 4.2254, 49.7068



1.0897, 0.4557, 4.8438

Previews

White Background



This preview shows how the XYZ color 67.0367, 87.4402, 22.5770 looks on a white background.

Color Contrast Check

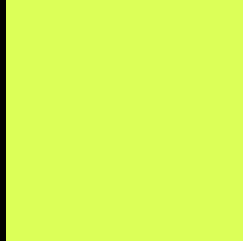
Large Text (above 18pt) WCAG AA × Fail

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 67.0367, 87.4402, 22.5770 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 67.0367, 87.4402, 22.5770

Background



This preview shows how black text looks on a background with the XYZ color 67.0367, 87.4402, 22.5770.

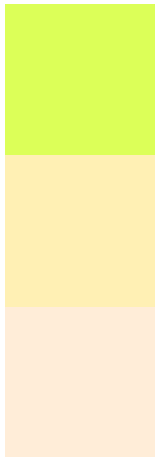


This preview shows how white text looks on a background with the XYZ color 67.0367, 87.4402,

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

67.0367, 87.4402, 22.5770

Protanopia

80.6383, 86.8755, 55.6986

Deuteranopia

83.9189, 86.7862, 77.2942



Tritanopia

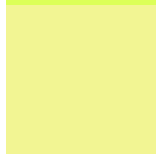
84.1764, 87.1301, 106.9890

Trichromacy



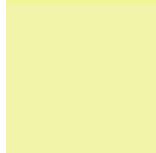
Original Color

67.0367, 87.4402, 22.5770



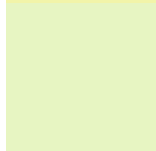
Protanomaly

74.5368, 86.2886, 40.3306



Deuteranomaly

76.1301, 86.4432, 50.2088



Tritanomaly

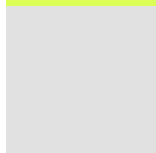
75.3450, 86.1888, 63.7039

Monochromacy



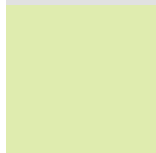
Original Color

67.0367, 87.4402, 22.5770



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.1647, 78.7740, 52.1697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0367, 87.4402, 22.5770 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 88) }
```

Border

The CSS property to change the border of an element to XYZ 67.0367, 87.4402, 22.5770 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, 88) }
```


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

```
.border{ border-color:rgb(220, 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(220, 255, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0367, 87.4402, 22.5770 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, 88) }
```

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

```
.background{ background-color: rgb(220,  
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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