

# Converting Colors

XYZ(67.0007, 87.3514, 25.9026)

Have a look what the booklet for  
XYZ(67.0007, 87.3514, 25.9026)  
contains.

<b>XYZ(67.0717, 87.3847, 25.9023)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(67.0717, 87.3847,  
25.9023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFF66
RGB	218, 255, 102
RGB Percent	85%, 100%, 40%
CMY	0.1451, 0.0000, 0.6000
CMYK	0.15, 0.00, 0.60, 0.00
HSL	75°, 100%, 70%
HSV	75°, 60%, 100%
XYZ	67.0717, 87.3847, 25.9023
YIQ	226.4950, 27.0610, -55.4270

# Conversions

## Conversions Part 2

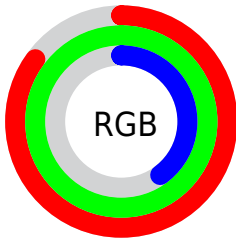
Format	Color
<a href="#">RYB</a>	<a href="#">102, 255, 139</a>
Decimal	<a href="#">14352230</a>
CIELab	<a href="#">94.90, -32.88, 67.28</a>
CIELCh	<a href="#">95, 74.887, 116.040</a>
Yxy	<a href="#">87.3847, 0.3719, 0.4845</a>
Android (android.graphics.Color)	<a href="#">4292542310 (0xFFDAFF66)</a>
YUV	<a href="#">226.4950, -61.3760, -7.4501</a>
Hunter-Lab	<a href="#">93.4798, -35.5160, 49.0072</a>

# Details

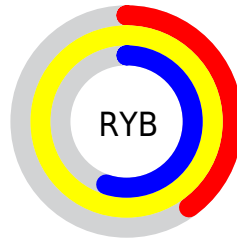
The XYZ color **67.0717, 87.3847, 25.9023** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **33.4502, 22.2131, 97.1323**, and the grayscale version is **73.0640, 76.8690, 83.7103**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **35.1273, 48.0362, 9.7060** is the 20% darker color. If you saturate the color by 10%, you get **64.1853, 86.0210, 20.1507**, and if you desaturate by 10%, it is **70.4159, 88.9394, 33.7073**.

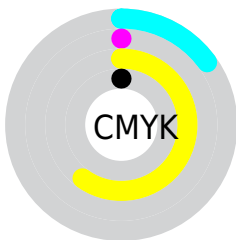
# Distribution



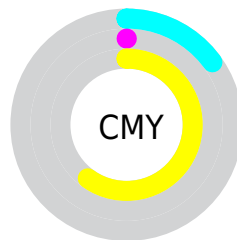
- Red (85%)
- Green (100%)
- Blue (40%)



- 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 67.0717, 87.3847, 25.9023 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 67.0717, 87.3847, 25.9023 by changing the saturation by 10% instead.





 67.0717, 87.3847,  
25.9023


 67.0717, 87.3847,  
25.9023


439.6284,  
519.4861, 295.8923

 49.4138, 65.8136,  
16.5255


 114.0724,  
143.7002, 54.0994


 35.1637, 48.1211,  
9.7384


 144.1459,  
179.2135, 73.7568

 23.9561, 33.9228,  
5.1225


 179.0886,  
220.1428, 97.6781

 15.4256, 22.8343,  
2.2593

 219.2659,  
266.8728, 126.2819

 9.2069, 14.4712,  
0.7083

265.0432,  
319.7877, 159.9866

 4.9346, 8.4491,  
0.0000

316.7858,

 2.2433, 4.3837,

379.2720, 199.2109

0.0000

374.8591,  
445.7100, 244.3733

0.7654, 1.8904,  
0.0000

0.0000, 0.5426,  
0.0000

67.0717, 87.3847,  
25.9023

67.0717, 87.3847,  
25.9023

64.1853, 86.0210,  
20.1507

70.4159, 88.9394,  
33.7073

61.7185, 84.8331,  
16.2540

74.2504, 90.6983,  
43.7322

59.6267, 83.8028,  
13.9814

78.6051, 92.6733,  
56.1305

57.8371, 82.9011,  
12.9533

83.5071, 94.8754,  
71.0412

■ 57.8367, 82.9010,  
12.9532

■ 88.9813, 97.3147,  
88.5926

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.



85.7814, 87.3847, 21.5208



67.0717, 87.3847, 25.9023



54.7046, 87.3847, 45.3645

# Triad

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



67.0717, 87.3847, 25.9023



63.1038, 87.3847, 221.2541



128.4013, 87.3847, 103.0778

# Complementary

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



67.0717, 87.3847, 25.9023



33.4502, 22.2131, 97.1323

# 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.



119.8224, 87.3847, 172.2548



67.0717, 87.3847, 25.9023



80.3900, 87.3847, 255.9230

# Square

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



67.0717, 87.3847, 25.9023



52.6893, 87.3847, 153.1460



101.3984, 87.3847, 235.0830



123.2971, 87.3847, 54.0243



# Rectangle

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



67.0717, 87.3847, 25.9023



50.6420, 87.3847, 70.6459



101.3984, 87.3847, 235.0830



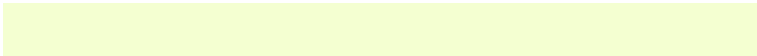
126.9897, 87.3847, 124.7445

# Sweetspot

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



67.0718, 87.3848, 25.9035



84.5544, 95.3435, 74.3332



52.6845, 40.3114, 17.5757



17.7733, 20.2622, 14.8917



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.



67.0718, 87.3848, 25.9035



63.6592, 85.7697, 19.2288



49.4522, 78.3015, 25.0789



19.1068, 20.8565, 19.1630



30.3621, 43.3903, 6.7749



3.0540, 4.2752, 0.6642



# Inverse Universe

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



33.4502, 22.2131, 97.1323



27.5049, 15.4770, 96.1454



50.5922, 31.0501, 97.9345



17.4143, 17.5898, 22.7273



10.5696, 4.3593, 49.7189

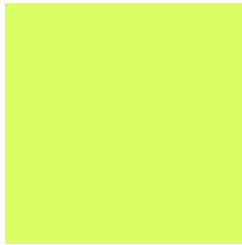


1.1222, 0.4724, 4.8453



# Previews

## White Background



This preview shows how the XYZ color 67.0717, 87.3847, 25.9023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

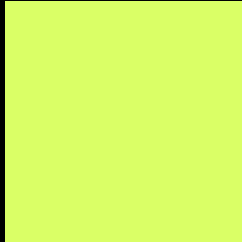
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.0717, 87.3847, 25.9023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

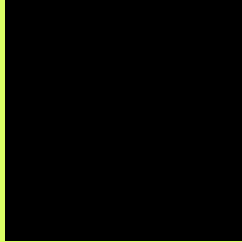
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.0717, 87.3847, 25.9023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.0717, 87.3847, 25.9023.



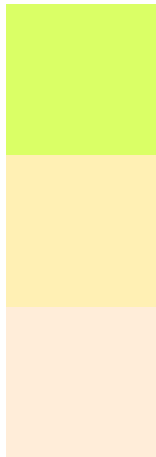
This preview shows how white text looks on a background with the XYZ color 67.0717, 87.3847,



# 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

67.0717, 87.3847, 25.9023

### Protanopia

80.6383, 86.8755, 55.6986

### Deuteranopia

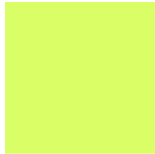
84.0486, 86.8381, 77.9772



## Tritanopia

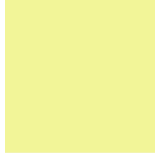
83.5086, 86.7859, 106.9577

# Trichromacy



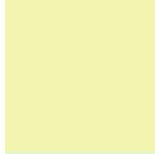
## Original Color

67.0717, 87.3847, 25.9023



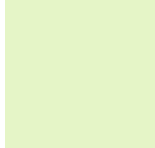
## Protanomaly

74.9379, 86.4491, 42.4425



## Deuteranomaly

76.7065, 86.6738, 53.2443



## Tritanomaly

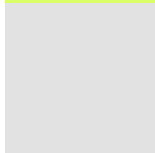
75.2743, 86.0864, 66.6818

# Monochromacy



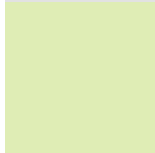
## Original Color

67.0717, 87.3847, 25.9023



## 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 67.0717, 87.3847, 25.9023 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(218, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0717, 87.3847, 25.9023 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(218, 255, 102) }
```



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

```
.border{ border-color:rgb(218, 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(218, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.0717, 87.3847, 25.9023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 102) }
```

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

```
.background{ background-color: rgb(218,  
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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