

Converting Colors

XYZ(35.6258, 57.2500, 3.6106)

Have a look what the booklet for
XYZ(35.6258, 57.2500, 3.6106)
contains.

XYZ(36.7687, 57.7315, 9.2054)	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(36.7687, 57.7315,
9.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	8BDE00
RGB	139, 222, 0
RGB Percent	55%, 87%, 0%
CMY	0.4549, 0.1294, 0.9999
CMYK	0.37, 0.00, 1.00, 0.13
HSL	82°, 100%, 44%
HSV	82°, 100%, 87%
XYZ	36.7687, 57.7315, 9.2054
YIQ	171.8750, 21.7940, -86.6380

Conversions

Conversions Part 2

Format	Color
RYB	0, 222, 83
Decimal	9166336
CIELab	80.59, -52.01, 78.75
CIELCh	81, 94.380, 123.443
Yxy	57.7315, 0.3545, 0.5567
Android (android.graphics.Color)	4287356416 (0xFF8BDE00)
YUV	171.8750, -84.7344, -28.8314
Hunter-Lab	75.9812, -46.5878, 46.0037

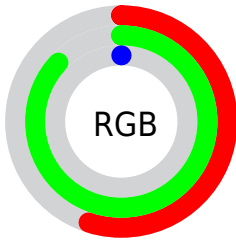
Details

The XYZ color **36.7687, 57.7315, 9.2054** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **16.7561, 7.1154, 69.6008**, and the grayscale version is **39.5600, 41.6202, 45.3244**.

A 20% lighter version of the original color is **61.0335, 84.3502, 22.0812**, and **16.8607, 28.9347, 4.6963** is the 20% darker color. If you saturate the color by 10%, you get **36.7680, 57.7330, 9.2057**, and if you desaturate by 10%, it is **38.3562, 58.5348, 10.0475**.

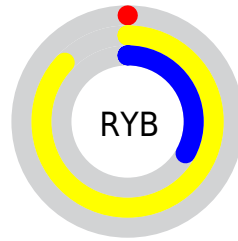
Distribution



Red (55%)

Green (87%)

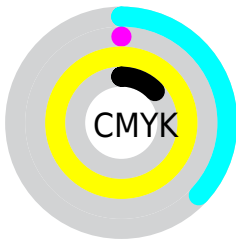
Blue (0%)



Red (0%)

Yellow (87%)

Blue (33%)

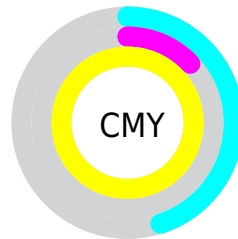


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (45%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7687, 57.7315, 9.2054 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 36.7687, 57.7315, 9.2054 by changing the saturation by 10% instead.


 36.7687, 57.7315,
9.2054


 36.7687, 57.7315,
9.2054


323.6810,
416.1847, 195.1770


 25.2013, 41.5928,
4.7768


 69.5330, 101.5318,
24.8738

 16.3566, 28.7826,
2.0604


 91.4607, 129.9621,
36.9507


 9.8693, 18.9164,
0.5921


 117.5725,
163.2585, 52.4140

 5.3740, 11.6099,
0.0000

 148.2338,
201.8054, 71.6824

 2.5053, 6.4786,
0.0000

 183.8099,
245.9870, 95.1744

 0.8979, 3.1383,
0.0000

 224.6663,

 0.0000, 1.2043,

296.1878, 123.3084

0.0000

271.1682,
352.7923, 156.5031

■ 0.0000, 0.0652,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7687, 57.7315,
9.2054

■ 36.7687, 57.7315,
9.2054

■ 36.7680, 57.7330,
9.2057

■ 38.3562, 58.5348,
10.0475

■ 40.2188, 59.4585,
11.7824

■ 42.4147, 60.5282,
14.7000

■ 44.9771, 61.7575,
18.9640

■ 47.9343, 63.1578,
24.7124

■ 51.3112, 64.7394,
32.0661

■ 55.1303, 66.5115,
41.1336

■ 59.4124, 68.4826,
52.0138

■ 64.1766, 70.6606,
64.7982

Harmonies

Analogous

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



52.6616, 57.7315, 5.1489



36.7687, 57.7315, 9.2054



27.8032, 57.7315, 26.1617

Triad

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



36.7687, 57.7315, 9.2054



39.8216, 57.7315, 215.1081



101.1870, 57.7315, 56.6581

Complementary

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



36.7687, 57.7315, 9.2054



16.7561, 7.1154, 69.6008

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.



95.4780, 57.7315, 123.7726



36.7687, 57.7315, 9.2054



57.1436, 57.7315, 241.2721

Square

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



36.7687, 57.7315, 9.2054



29.2519, 57.7315, 142.0690



78.1140, 57.7315, 200.8612



92.2728, 57.7315, 20.4418

Rectangle

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



36.7687, 57.7315, 9.2054



25.5213, 57.7315, 51.4278



78.1140, 57.7315, 200.8612



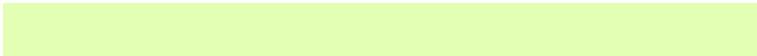
100.9213, 57.7315, 75.8716

Sweetspot

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



36.7700, 57.7340, 9.2067



75.3338, 90.9869, 55.9749



33.0996, 21.4780, 2.4020



15.6342, 19.2479, 10.7943



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.



36.7700, 57.7340, 9.2067



50.1864, 78.9571, 12.5951



26.6473, 52.5156, 8.7329



14.3491, 15.7601, 14.5925



21.9653, 34.3560, 5.4737



1.6206, 2.4320, 0.3840

Inverse Universe

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



16.7561, 7.1154, 69.6008



22.8063, 9.6719, 95.2726



35.0275, 16.5346, 70.4559



13.4339, 13.4917, 17.2838



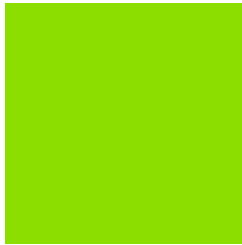
10.0645, 4.2837, 41.3447



0.7945, 0.3469, 2.8703

Previews

White Background



This preview shows how the XYZ color 36.7687, 57.7315, 9.2054 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 36.7687, 57.7315, 9.2054 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 36.7687, 57.7315, 9.2054

Background



This preview shows how black text looks on a background with the XYZ color 36.7687, 57.7315, 9.2054.



This preview shows how white text looks on a background with the XYZ color 36.7687, 57.7315,

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

36.7687, 57.7315, 9.2054

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

58.4173, 57.0788, 10.2239



Tritanopia

50.4948, 57.2569, 78.2024

Trichromacy



Original Color

36.7687, 57.7315, 9.2054

Protanomaly

44.3051, 55.9631, 8.4668

Deuteranomaly

47.6628, 55.5541, 9.2478

Tritanomaly

41.7524, 55.9100, 34.1823

Monochromacy



Original Color

36.7687, 57.7315, 9.2054

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

35.6710, 45.4046, 21.3519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7687, 57.7315, 9.2054 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(139, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 222, 0)  
}
```

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(139, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.7687, 57.7315, 9.2054 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(139, 222, 0) }
```


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

```
.border{ border-color:rgb(139, 222, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 222,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7687, 57.7315, 9.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 222, 0) }
```

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

```
.background{ background-color: rgb(139,  
222, 0) }
```

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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