

Converting Colors

XYZ(37.0529, 56.7289, 8.9969)

Have a look what the booklet for
XYZ(37.0529, 56.7289, 8.9969)
contains.

XYZ(37.0086, 56.6828, 8.9903)	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(37.0086, 56.6828,
8.9903)**

Conversions

Conversions Part 1

Format	Color
Hex	91DB00
RGB	145, 219, 0
RGB Percent	57%, 86%, 0%
CMY	0.4314, 0.1412, 0.9999
CMYK	0.34, 0.00, 1.00, 0.14
HSL	80°, 100%, 43%
HSV	80°, 100%, 86%
XYZ	37.0086, 56.6828, 8.9903
YIQ	171.9080, 26.1950, -83.7970

Conversions

Conversions Part 2

Format	Color
RYB	0, 219, 74
Decimal	9558784
CIELab	80.00, -48.69, 78.43
CIELCh	80, 92.311, 121.831
Yxy	56.6828, 0.3604, 0.5520
Android (android.graphics.Color)	4287748864 (0xFF91DB00)
YUV	171.9080, -84.7506, -23.5983
Hunter-Lab	75.2880, -44.0104, 45.6216

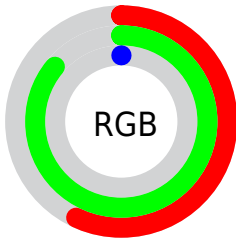
Details

The XYZ color **37.0086, 56.6828, 8.9903** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.6137, 6.5725, 67.4668**, and the grayscale version is **39.5752, 41.6362, 45.3419**.

A 20% lighter version of the original color is **62.3416, 85.0293, 21.9306**, and **16.9349, 28.1728, 4.5453** is the 20% darker color. If you saturate the color by 10%, you get **37.0081, 56.6844, 8.9907**, and if you desaturate by 10%, it is **38.5010, 57.4373, 9.8127**.

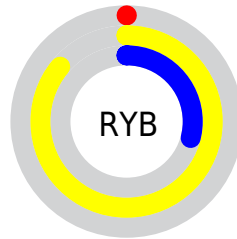
Distribution



Red (57%)

Green (86%)

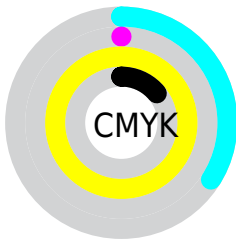
Blue (0%)



Red (0%)

Yellow (86%)

Blue (29%)

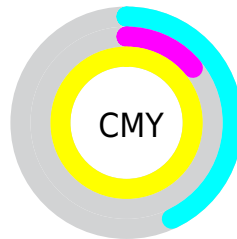


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (43%)


Magenta (14%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0086, 56.6828, 8.9903 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 37.0086, 56.6828, 8.9903 by changing the saturation by 10% instead.


 37.0086, 56.6828,
8.9903


 37.0086, 56.6828,
8.9903


324.7026,
412.2597, 193.5209


 25.3879, 40.7506,
4.6381


 69.8998, 100.0022,
24.4556

 16.4965, 28.1243,
1.9816


 91.9009, 128.1582,
36.4058

 9.9693, 18.4194,
0.5439


 118.0928,
161.1576, 51.7258

 5.4407, 11.2515,
0.0000

 148.8410,
199.3849, 70.8340

 2.5455, 6.2363,
0.0000

 184.5107,
243.2243, 94.1492

 0.9182, 2.9893,
0.0000

 225.4673,

 0.0000, 1.1261,

293.0603, 122.0896

0.0000

272.0762,
349.2773, 155.0741

■ 0.0000, 0.0001,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0086, 56.6828,
8.9903

■ 37.0086, 56.6828,
8.9903

■ 37.0081, 56.6844,
8.9907

■ 38.5010, 57.4373,
9.8127

■ 40.2419, 58.2993,
11.4979

■ 42.2876, 59.2934,
14.3284

■ 44.6696, 60.4323,
18.4625

■ 47.4147, 61.7270,
24.0335

■ 50.5464, 63.1870,
31.1582

■ 54.0861, 64.8210,
39.9415

■ 58.0531, 66.6370,
50.4792

■ 62.4658, 68.6423,
62.8595

Harmonies

Analogous

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



52.7317, 56.6828, 5.3502



37.0086, 56.6828, 8.9903



27.9310, 56.6828, 24.6781

Triad

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



37.0086, 56.6828, 8.9903



38.5836, 56.6828, 204.8396



98.5456, 56.6828, 58.4777

Complementary

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



37.0086, 56.6828, 8.9903



15.6137, 6.5725, 67.4668

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.



92.3215, 56.6828, 124.4268



37.0086, 56.6828, 8.9903



55.0353, 56.6828, 233.1486

Square

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



37.0086, 56.6828, 8.9903



28.6809, 56.6828, 133.7694



75.2168, 56.6828, 197.5873



90.6819, 56.6828, 21.7052

Rectangle

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



37.0086, 56.6828, 8.9903



25.4861, 56.6828, 48.1765



75.2168, 56.6828, 197.5873



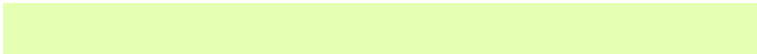
98.0268, 56.6828, 77.5851

Sweetspot

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



37.0099, 56.6853, 8.9915



76.2060, 91.4366, 56.0157



31.5989, 19.8286, 2.1626



15.8424, 19.3553, 10.8040



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.



37.0099, 56.6853, 8.9915



52.0837, 79.9352, 12.6839



26.0789, 51.0501, 8.4800



13.7126, 15.0321, 13.9043



22.0641, 33.6719, 5.3364



1.5199, 2.2281, 0.3500

Inverse Universe

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



15.6137, 6.5725, 67.4668



21.9043, 9.2070, 95.2304



32.1989, 15.1224, 68.2430



12.7514, 12.8300, 16.4565



9.3617, 3.9503, 40.0075



0.6966, 0.3024, 2.5961

Previews

White Background



This preview shows how the XYZ color 37.0086, 56.6828, 8.9903 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 37.0086, 56.6828, 8.9903 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 37.0086, 56.6828, 8.9903

Background



This preview shows how black text looks on a background with the XYZ color 37.0086, 56.6828, 8.9903.



This preview shows how white text looks on a background with the XYZ color 37.0086, 56.6828,

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

37.0086, 56.6828, 8.9903

Protanopia

50.6255, 56.0761, 8.1555

Deuteranopia

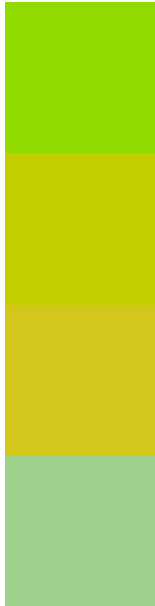
57.2552, 55.8476, 9.9525



Tritanopia

50.4475, 56.5685, 75.9701

Trichromacy



Original Color

37.0086, 56.6828, 8.9903

Protanomaly

44.5770, 55.7447, 8.4104

Deuteranomaly

47.4852, 54.7749, 9.1068

Tritanomaly

41.8322, 54.8653, 33.1962

Monochromacy



Original Color

37.0086, 56.6828, 8.9903

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

35.8582, 45.1807, 21.2988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0086, 56.6828, 8.9903 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(145, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 219, 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(145, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.0086, 56.6828, 8.9903 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(145, 219, 0) }
```


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

```
.border{ border-color:rgb(145, 219, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 219, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 219,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0086, 56.6828, 8.9903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 219, 0) }
```

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

```
.background{ background-color: rgb(145,  
219, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor