

Converting Colors

XYZ(37.4761, 57.0049, 10.6248)

Have a look what the booklet for
XYZ(37.4761, 57.0049, 10.6248)
contains.

XYZ(37.3119, 56.8041, 10.5879)	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(37.3119, 56.8041,
10.5879)**

Conversions

Conversions Part 1

Format	Color
Hex	91DB23
RGB	145, 219, 35
RGB Percent	57%, 86%, 14%
CMY	0.4314, 0.1412, 0.8627
CMYK	0.34, 0.00, 0.84, 0.14
HSL	84°, 72%, 50%
HSV	84°, 84%, 86%
XYZ	37.3119, 56.8041, 10.5879
YIQ	175.8980, 14.9600, -72.9120

Conversions

Conversions Part 2

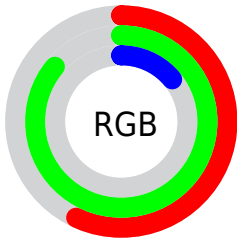
Format	Color
RYB	35, 219, 109
Decimal	9558819
CIELab	80.07, -47.99, 73.67
CIELCh	80, 87.917, 123.080
Yxy	56.8041, 0.3564, 0.5425
Android (android.graphics.Color)	4287748899 (0xFF91DB23)
YUV	175.8980, -69.4627, -27.0975
Hunter-Lab	75.3685, -43.5267, 44.4288

Details

The XYZ color **37.3119, 56.8041, 10.5879** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **19.6969, 9.5697, 67.8301**, and the grayscale version is **41.5608, 43.7251, 47.6167**.

A 20% lighter version of the original color is **62.9140, 85.2582, 24.9449**, and **16.9349, 28.1728, 4.5453** is the 20% darker color. If you saturate the color by 10%, you get **35.5904, 55.9451, 9.3072**, and if you desaturate by 10%, it is **39.3590, 57.8112, 12.9436**.

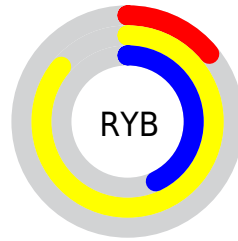
Distribution



Red (57%)

Green (86%)

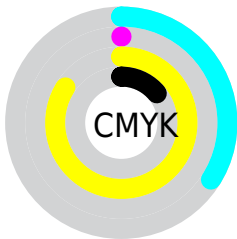
Blue (14%)



Red (14%)

Yellow (86%)

Blue (43%)

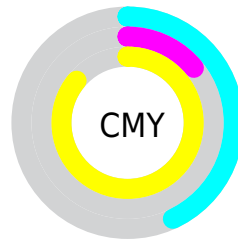


Cyan (34%)

Magenta (0%)

Yellow (84%)

Black (14%)



Cyan (43%)


Magenta (14%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3119, 56.8041, 10.5879 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 37.3119, 56.8041, 10.5879 by changing the saturation by 10% instead.


 37.3119, 56.8041,
10.5879


 37.3119, 56.8041,
10.5879


325.9910,
412.7148, 205.4530


 25.6239, 40.8480,
5.6798


 70.3629, 100.1793,
27.5205

 16.6737, 28.2003,
2.5857


 92.4567, 128.3671,
40.3820

 10.0959, 18.4767,
0.8851


 118.7497,
161.4010, 56.7318

 5.5254, 11.2928,
0.0000

 149.6073,
199.6654, 76.9883

 2.5966, 6.2641,
0.0000

 185.3948,
243.5445, 101.5702

 0.9442, 3.0063,
0.0000

 226.4778,

 0.0000, 1.1350,

293.4229, 130.8959

0.0000

273.2214,
349.6849, 165.3839

■ 0.0000, 0.0077,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3119, 56.8041,
10.5879

■ 37.3119, 56.8041,
10.5879

■ 35.5904, 55.9451,
9.3072

■ 39.3590, 57.8112,
12.9436

■ 34.6800, 55.4842,
8.8817

■ 41.7631, 58.9734,
16.5432

■ 44.5551, 60.3053,
21.5300

■ 47.7607, 61.8173,
28.0268

■ 51.4031, 63.5192,
36.1430

■ 55.5034, 65.4195,
45.9777

■ 60.0812, 67.5265,
57.6221

■ 65.1547, 69.8476,
71.1611

■ 70.7413, 72.3900,
86.6740

Harmonies

Analogous

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



52.1638, 56.8041, 6.4208



37.3119, 56.8041, 10.5879



28.7665, 56.8041, 27.1175

Triad

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



37.3119, 56.8041, 10.5879



39.8699, 56.8041, 197.7812



96.1243, 56.8041, 56.7076

Complementary

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



37.3119, 56.8041, 10.5879



19.6969, 9.5697, 67.8301

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.



90.8239, 56.8041, 118.0130



37.3119, 56.8041, 10.5879



55.8595, 56.8041, 221.5279

Square

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



37.3119, 56.8041, 10.5879



29.9981, 56.8041, 132.6824



75.0195, 56.8041, 186.5160



88.2353, 56.8041, 22.1642

Rectangle

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



37.3119, 56.8041, 10.5879



26.5420, 56.8041, 50.7268



75.0195, 56.8041, 186.5160



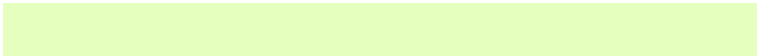
95.8296, 56.8041, 74.4909

Sweetspot

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



37.3132, 56.8066, 10.5891



77.6192, 92.0097, 63.1033



34.9453, 26.0362, 4.7746



16.1646, 19.4860, 12.4155



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.



37.3132, 56.8066, 10.5891



48.7904, 78.2374, 12.5298



27.1262, 51.5550, 10.1124



13.6292, 14.9891, 13.9004



20.6894, 32.9633, 5.2721



1.4368, 2.1852, 0.3461

Inverse Universe

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



19.6969, 9.5697, 67.8301



23.5938, 10.0779, 95.3094



37.3696, 18.6803, 68.6572



12.8320, 12.8715, 16.4603



10.0890, 4.3252, 40.0415



0.7493, 0.3296, 2.5986

Previews

White Background



This preview shows how the XYZ color 37.3119, 56.8041, 10.5879 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 37.3119, 56.8041, 10.5879 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 37.3119, 56.8041, 10.5879

Background



This preview shows how black text looks on a background with the XYZ color 37.3119, 56.8041, 10.5879.



This preview shows how white text looks on a background with the XYZ color 37.3119, 56.8041,

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

37.3119, 56.8041, 10.5879

Protanopia

50.8473, 56.1649, 9.3234

Deuteranopia

57.1476, 55.7634, 11.2414



Tritanopia

50.4475, 56.5685, 75.9701

Trichromacy



Original Color

37.3119, 56.8041, 10.5879

Protanomaly

44.8243, 55.8436, 9.7127

Deuteranomaly

47.8005, 54.9010, 10.7669

Tritanomaly

42.8483, 55.2718, 38.5472

Monochromacy



Original Color

37.3119, 56.8041, 10.5879

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

38.0684, 47.1793, 26.5021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3119, 56.8041, 10.5879 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(145, 219, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 219, 35) }
```

Border

The CSS property to change the border of an element to XYZ 37.3119, 56.8041, 10.5879 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, 35) }
```


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

```
.border{ border-color:rgb(145, 219, 35) }
```

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, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 219, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 219, 35);  
box-shadow:4px 4px 4px 4px rgb(145, 219,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3119, 56.8041, 10.5879 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, 35) }
```

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

```
.background{ background-color: rgb(145,  
219, 35) }
```

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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