

Converting Colors

XYZ(38.0526, 55.9998, 9.5423)

Have a look what the booklet for
XYZ(38.0526, 55.9998, 9.5423)
contains.

XYZ(38.0271, 56.0397, 9.5716)	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(38.0271, 56.0397,
9.5716)**

Conversions

Conversions Part 1

Format	Color
Hex	9AD816
RGB	154, 216, 22
RGB Percent	60%, 85%, 9%
CMY	0.3961, 0.1529, 0.9137
CMYK	0.29, 0.00, 0.90, 0.15
HSL	79°, 82%, 47%
HSV	79°, 90%, 85%
XYZ	38.0271, 56.0397, 9.5716
YIQ	175.3460, 25.3220, -73.4780

Conversions

Conversions Part 2

Format	Color
R _Y B	22, 216, 84
Decimal	10147862
CIE Lab	79.64, -43.80, 75.96
CIE LCh	80, 87.683, 119.965
Yxy	56.0397, 0.3669, 0.5407
Android (android.graphics.Color)	4288337942 (0xFF9AD816)
YUV	175.3460, -75.5996, -18.7204
Hunter-Lab	74.8597, -40.3303, 44.8209

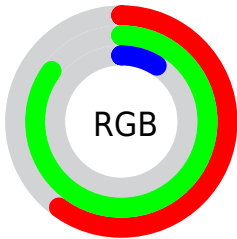
Details

The XYZ color **38.0271, 56.0397, 9.5716** 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 **16.3406, 7.4184, 65.5397**, and the grayscale version is **41.2999, 43.4507, 47.3178**.

A 20% lighter version of the original color is **65.1323, 86.4388, 23.3767**, and **17.5687, 27.9765, 4.4740** is the 20% darker color. If you saturate the color by 10%, you get **36.6091, 55.3270, 8.7616**, and if you desaturate by 10%, it is **39.6831, 56.8603, 11.2289**.

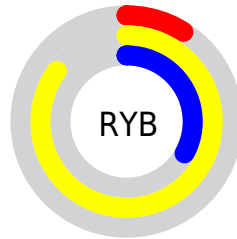
Distribution



Red (60%)

Green (85%)

Blue (9%)



Red (9%)

Yellow (85%)

Blue (33%)

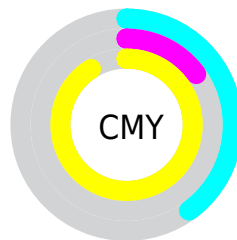


Cyan (29%)

Magenta (0%)

Yellow (90%)

Black (15%)



Cyan (40%)


Magenta (15%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0271, 56.0397, 9.5716 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 38.0271, 56.0397, 9.5716 by changing the saturation by 10% instead.


 38.0271, 56.0397,
9.5716


 38.0271, 56.0397,
9.5716


329.0151,
409.8411, 197.9590


 26.1810, 40.2348,
5.0140


 71.4533, 99.0626,
25.5816


 17.0925, 27.7216,
2.1966


 93.7642, 127.0494,
37.8711

 10.3962, 18.1159,
0.6724


 120.2940,
159.8655, 53.5750

 5.7267, 11.0332,
0.0000

 151.4081,
197.8955, 73.1118

 2.7187, 6.0892,
0.0000

 187.4719,
241.5236, 96.9001

 1.0068, 2.8994,
0.0000

 228.8508,

 0.0000, 1.0794,

291.1343, 125.3583

0.0000

275.9101,
347.1120, 158.9051

■ 0.0000, 0.0000,
0.0000

■ 38.0271, 56.0397,
9.5716

■ 38.0271, 56.0397,
9.5716

■ 36.6091, 55.3270,
8.7616

■ 39.6831, 56.8603,
11.2289

■ 36.5829, 55.3138,
8.7485

■ 41.6251, 57.8022,
13.9972

■ 43.8846, 58.8801,
18.0299

■ 46.4871, 60.1043,
23.4555

■ 49.4552, 61.4841,
30.3867

■ 52.8091, 63.0276,
38.9247

■ 56.5675, 64.7424,
49.1618

■ 60.7477, 66.6356,
61.1835

■ 65.3659, 68.7138,
75.0692

Harmonies

Analogous

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



53.2845, 56.0397, 6.2638



38.0271, 56.0397, 9.5716



28.9249, 56.0397, 24.1134

Triad

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



38.0271, 56.0397, 9.5716



37.9988, 56.0397, 190.0375



94.9953, 56.0397, 61.0764

Complementary

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



38.0271, 56.0397, 9.5716



16.3406, 7.4184, 65.5397

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.



88.4402, 56.0397, 123.8577



38.0271, 56.0397, 9.5716



53.2436, 56.0397, 219.2980

Square

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



38.0271, 56.0397, 9.5716



28.9113, 56.0397, 123.6949



72.1083, 56.0397, 190.1626



88.4689, 56.0397, 24.1681

Rectangle

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



38.0271, 56.0397, 9.5716



26.3158, 56.0397, 45.5797



72.1083, 56.0397, 190.1626



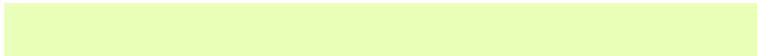
94.2327, 56.0397, 79.5987

Sweetspot

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



38.0284, 56.0422, 9.5728



78.2409, 92.3940, 60.2481



31.5928, 20.9127, 3.1313



16.3615, 19.5997, 11.8735



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.



38.0284, 56.0422, 9.5728



53.1028, 80.4605, 12.7316



26.4227, 50.0593, 9.0297



13.0689, 14.3117, 13.2343



21.7690, 32.7987, 5.1834



1.3974, 2.0218, 0.3166

Inverse Universe

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



16.3406, 7.4184, 65.5397



21.4870, 8.9918, 95.2108



31.6076, 15.2888, 66.2542



12.1126, 12.1994, 15.6538



8.8906, 3.7358, 38.7056



0.6214, 0.2692, 2.3385

Previews

White Background



This preview shows how the XYZ color 38.0271, 56.0397, 9.5716 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 38.0271, 56.0397, 9.5716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

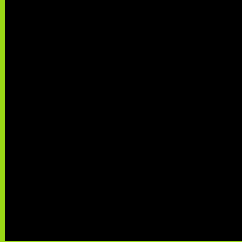
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0271, 56.0397, 9.5716

Background



This preview shows how black text looks on a background with the XYZ color 38.0271, 56.0397, 9.5716.



This preview shows how white text looks on a background with the XYZ color 38.0271, 56.0397,

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

38.0271, 56.0397, 9.5716

Protanopia

50.1631, 55.4912, 8.4478

Deuteranopia

56.3903, 55.0814, 10.1423



Tritanopia

50.8666, 55.7817, 73.7316

Trichromacy



Original Color

38.0271, 56.0397, 9.5716

Protanomaly

44.7123, 55.0935, 8.7677

Deuteranomaly

47.7408, 54.2122, 9.6981

Tritanomaly

43.1960, 54.4334, 35.4242

Monochromacy



Original Color

38.0271, 56.0397, 9.5716

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

37.6796, 46.3743, 24.4180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0271, 56.0397, 9.5716 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(154, 216, 22)` looks like.

```
.text, #text, p{  
    color:rgb(154, 216, 22)  
}
```

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(154, 216, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 216, 22) }
```

Border

The CSS property to change the border of an element to XYZ 38.0271, 56.0397, 9.5716 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(154, 216, 22) }
```


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

```
.border{ border-color:rgb(154, 216, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 216, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 216, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 216, 22);  
box-shadow:4px 4px 4px 4px rgb(154, 216,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0271, 56.0397, 9.5716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 216, 22) }
```

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

```
.background{ background-color: rgb(154,  
216, 22) }
```

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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