

Converting Colors

XYZ(39.8991, 56.6813, 11.5211)

Have a look what the booklet for
XYZ(39.8991, 56.6813, 11.5211)
contains.

XYZ(39.9178, 56.5926, 11.5089)	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(39.9178, 56.5926,
11.5089)**

Conversions

Conversions Part 1

Format	Color
Hex	A3D72F
RGB	163, 215, 47
RGB Percent	64%, 84%, 18%
CMY	0.3608, 0.1568, 0.8157
CMYK	0.24, 0.00, 0.78, 0.16
HSL	79°, 68%, 51%
HSV	79°, 78%, 84%
XYZ	39.9178, 56.5926, 11.5089
YIQ	180.3000, 22.9360, -63.2720

Conversions

Conversions Part 2

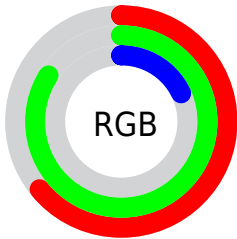
Format	Color
R_{YB}	47, 215, 99
Decimal	10737455
CIE _{Lab}	79.95, -39.14, 70.87
CIE _{LCh}	80, 80.958, 118.911
Yxy	56.5926, 0.3695, 0.5239
Android (android.graphics.Color)	4288927535 (0xFFA3D72F)
YUV	180.3000, -65.7169, -15.1721
Hunter-Lab	75.2281, -36.9327, 43.5890

Details

The XYZ color **39.9178, 56.5926, 11.5089** 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 **18.4301, 9.5935, 65.1736**, and the grayscale version is **43.8791, 46.1643, 50.2729**.

A 20% lighter version of the original color is **68.5380, 88.1111, 27.3047**, and **18.5147, 28.2058, 4.4684** is the 20% darker color. If you saturate the color by 10%, you get **38.2596, 55.7780, 9.6984**, and if you desaturate by 10%, it is **41.8638, 57.5346, 14.4493**.

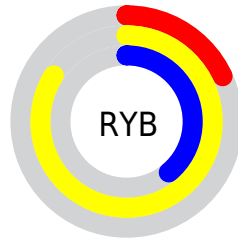
Distribution



Red (64%)

Green (84%)

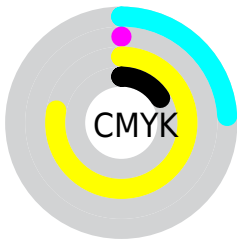
Blue (18%)



Red (18%)

Yellow (84%)

Blue (39%)

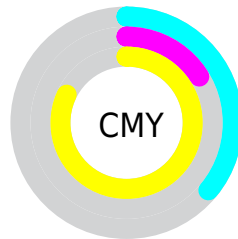


Cyan (24%)

Magenta (0%)

Yellow (78%)

Black (16%)



Cyan (36%)

Magenta (16%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9178, 56.5926, 11.5089 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 39.9178, 56.5926, 11.5089 by changing the saturation by 10% instead.

■ 39.9178, 56.5926,
11.5089

■ 39.9178, 56.5926,
11.5089

336.9174,
411.9210, 211.9876

■ 27.6584, 40.6782,
6.2918

■ 74.3235, 99.8705,
29.2483

■ 18.2074, 28.0678,
2.9517

■ 97.2004, 128.0028,
42.6077

■ 11.1996, 18.3767,
1.0700

■ 124.3473,
160.9766, 59.5183

■ 6.2695, 11.2208,
0.0000

■ 156.1294,
199.1762, 80.3986

■ 3.0519, 6.2156,
0.0000

■ 192.9121,
242.9861, 105.6671

■ 1.1813, 2.9766,
0.0000

■ 235.0607,

■ 0.0915, 1.1195,

292.7905, 135.7424

0.0000

282.9407,
348.9740, 171.0431

■ 0.0000, 0.0000,
0.0000

■ 39.9178, 56.5926,
11.5089

■ 39.9178, 56.5926,
11.5089

■ 38.2596, 55.7780,
9.6984

■ 41.8638, 57.5346,
14.4493

■ 36.8440, 55.0666,
8.8021

■ 44.1224, 58.6081,
18.6617

■ 36.5956, 54.9411,
8.6759

■ 46.7195, 59.8255,
24.2713

■ 49.6770, 61.1956,
31.3874

■ 53.0143, 62.7265,
40.1082

■ 56.7497, 64.4255,
50.5240

■ 60.8999, 66.2994,
62.7180

■ 65.4807, 68.3547,
76.7682

■ 70.5068, 70.5973,
92.7478

Harmonies

Analogous

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



54.3919, 56.5926, 8.2082



39.9178, 56.5926, 11.5089



31.0199, 56.5926, 25.7166

Triad

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



39.9178, 56.5926, 11.5089



39.0719, 56.5926, 176.0947



91.9562, 56.5926, 63.3544

Complementary

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



39.9178, 56.5926, 11.5089



18.4301, 9.5935, 65.1736

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.



85.6286, 56.5926, 121.1312



39.9178, 56.5926, 11.5089



53.1917, 56.5926, 203.5424

Square

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



39.9178, 56.5926, 11.5089



30.6060, 56.5926, 116.5196



70.5518, 56.5926, 179.5785



86.4494, 56.5926, 27.4151

Rectangle

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



39.9178, 56.5926, 11.5089



28.3647, 56.5926, 45.8070



70.5518, 56.5926, 179.5785



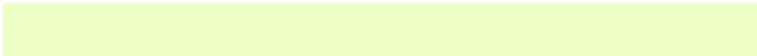
91.1237, 56.5926, 80.7076

Sweetspot

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



39.9191, 56.5951, 11.5101



80.6368, 93.4992, 66.2308



32.8513, 23.2778, 5.4517



16.8394, 19.8213, 13.0178



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.



39.9191, 56.5951, 11.5101



54.8573, 81.3548, 13.2750



28.1746, 50.5406, 10.9605



13.0814, 14.3182, 13.2349



22.0006, 32.9181, 5.1943



1.4101, 2.0283, 0.3172

Inverse Universe

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



18.4301, 9.5935, 65.1736



22.3932, 9.7189, 95.3034



32.4344, 16.8130, 65.8290



12.1006, 12.1933, 15.6533



8.7987, 3.6884, 38.7013



0.6147, 0.2658, 2.3382

Previews

White Background



This preview shows how the XYZ color 39.9178, 56.5926, 11.5089 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 39.9178, 56.5926, 11.5089 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 39.9178, 56.5926, 11.5089

Background



This preview shows how black text looks on a background with the XYZ color 39.9178, 56.5926, 11.5089.



This preview shows how white text looks on a background with the XYZ color 39.9178, 56.5926,

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

39.9178, 56.5926, 11.5089

Protanopia

50.7543, 56.0922, 10.4373

Deuteranopia

57.2973, 55.8234, 12.0301



Tritanopia

52.3404, 56.2115, 73.0570

Trichromacy



Original Color

39.9178, 56.5926, 11.5089

Protanomaly

46.1349, 55.7851, 10.7189

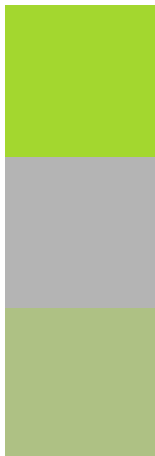
Deuteranomaly

49.2711, 54.9601, 11.6259

Tritanomaly

45.4269, 55.1432, 39.2598

Monochromacy



Original Color

39.9178, 56.5926, 11.5089

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

40.6904, 48.8045, 29.1054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9178, 56.5926, 11.5089 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(163, 215, 47)` looks like.

```
.text, #text, p{  
    color:rgb(163, 215, 47)  
}
```

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(163, 215, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 215, 47) }
```

Border

The CSS property to change the border of an element to XYZ 39.9178, 56.5926, 11.5089 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(163, 215, 47) }
```


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

```
.border{ border-color:rgb(163, 215, 47) }
```

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

Here you see how a box with a 4 pixel rgb(163, 215, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 215, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 215, 47);  
box-shadow:4px 4px 4px 4px rgb(163, 215,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9178, 56.5926, 11.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 215, 47) }
```

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

```
.background{ background-color: rgb(163,  
215, 47) }
```

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