

Converting Colors

XYZ(39.7982, 53.7734, 15.8979)

Have a look what the booklet for
XYZ(39.7982, 53.7734, 15.8979)
contains.

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Color

**XYZ(39.7297, 53.7979,
15.8795)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D050
RGB	166, 208, 80
RGB Percent	65%, 82%, 31%
CMY	0.3490, 0.1843, 0.6863
CMYK	0.20, 0.00, 0.62, 0.18
HSL	80°, 58%, 56%
HSV	80°, 62%, 82%
XYZ	39.7297, 53.7979, 15.8795
YIQ	180.8500, 16.0560, -48.7120

Conversions

Conversions Part 2

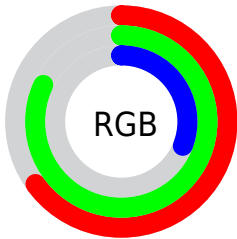
Format	Color
RYB	80, 208, 122
Decimal	10932304
CIELab	78.34, -32.81, 57.39
CIELCh	78, 66.102, 119.755
Yxy	53.7979, 0.3631, 0.4917
Android (android.graphics.Color)	4289122384 (0xFFA6D050)
YUV	180.8500, -49.7190, -13.0234
Hunter-Lab	73.3471, -31.6697, 38.5068

Details

The XYZ color **39.7297, 53.7979, 15.8795** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **22.2821, 14.4305, 61.2886**, and the grayscale version is **44.0953, 46.3917, 50.5205**.

A 20% lighter version of the original color is **70.8035, 89.0885, 36.0183**, and **18.0821, 26.2161, 4.8167** is the 20% darker color. If you saturate the color by 10%, you get **37.6843, 52.8207, 12.3746**, and if you desaturate by 10%, it is **42.0915, 54.9142, 20.6428**.

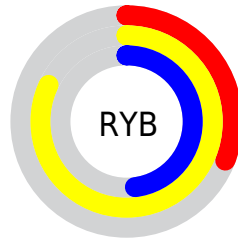
Distribution



Red (65%)

Green (82%)

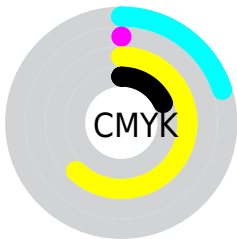
Blue (31%)



Red (31%)

Yellow (82%)

Blue (48%)

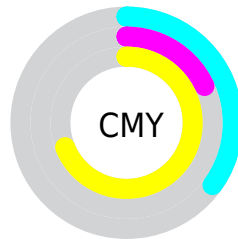


Cyan (20%)

Magenta (0%)

Yellow (62%)

Black (18%)



Cyan (35%)


Magenta (18%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7297, 53.7979, 15.8795 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 39.7297, 53.7979, 15.8795 by changing the saturation by 10% instead.


 39.7297, 53.7979,
15.8795


 39.7297, 53.7979,
15.8795


336.1370,
401.3389, 240.4510

 27.5111, 38.4401,
9.2855


 74.0387, 95.7774,
37.1528

 18.0960, 26.3244,
4.8285


 96.8598, 123.1680,
52.6691


 11.1191, 17.0665,
2.0900


 123.9459,
155.3382, 71.9966

 6.2149, 10.2819,
0.6098

 155.6622,
192.6726, 95.5539

 3.0181, 5.5863,
0.0000

 192.3741,
235.5554, 123.7594

 1.1633, 2.5952,
0.0000

234.4469,

 0.0771, 0.9242,

284.3712, 157.0317

0.0000

282.2461,
339.5042, 195.7894

■ 0.0000, 0.0000,
0.0000

■ 39.7297, 53.7979,
15.8795

■ 39.7297, 53.7979,
15.8795

■ 37.6843, 52.8207,
12.3746

■ 42.0915, 54.9142,
20.6428

■ 35.9275, 51.9657,
10.0048

■ 44.7868, 56.1710,
26.7659

■ 34.4322, 51.2237,
8.6278

■ 47.8360, 57.5783,
34.3436

■ 33.3294, 50.6674,
8.0232

■ 51.2561, 59.1432,
43.4614

■ 55.0635, 60.8722,
54.1983

■ 59.2729, 62.7715,
66.6276

■ 63.8985, 64.8468,
80.8182

■ 68.9536, 67.1036,
96.8354

■ 72.4224, 68.7355,
104.0580

Harmonies

Analogous

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



51.2402, 53.7979, 12.2535



39.7297, 53.7979, 15.8795



32.4755, 53.7979, 29.4663

Triad

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



39.7297, 53.7979, 15.8795



39.5735, 53.7979, 144.4609



80.3413, 53.7979, 58.8833

Complementary

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



39.7297, 53.7979, 15.8795



22.2821, 14.4305, 61.2886

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.



75.8408, 53.7979, 102.4135



39.7297, 53.7979, 15.8795



51.0265, 53.7979, 162.9406

Square

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



39.7297, 53.7979, 15.8795



32.3966, 53.7979, 101.6463



64.5335, 53.7979, 145.0201



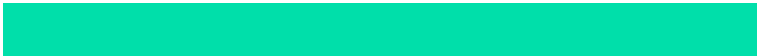
75.9799, 53.7979, 29.8028

Rectangle

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



39.7297, 53.7979, 15.8795



30.3113, 53.7979, 46.7708



64.5335, 53.7979, 145.0201



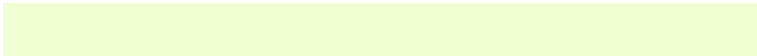
79.8054, 53.7979, 72.2190

Sweetspot

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



39.7310, 53.8003, 15.8806



83.1949, 94.6427, 74.2696



34.2432, 27.5525, 11.1035



17.4392, 20.0899, 14.8761



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.



39.7310, 53.8003, 15.8806



58.7638, 83.2643, 18.1752



29.6528, 48.6048, 15.4090



12.4107, 13.5952, 12.5821



20.8772, 31.6315, 5.0052



1.2490, 1.8107, 0.2837

Inverse Universe

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



22.2821, 14.4305, 61.2886



28.9517, 15.7582, 96.1235



34.1510, 20.5491, 61.8440



11.5239, 11.6034, 14.8760



8.6840, 3.6571, 37.4407



0.5685, 0.2473, 2.0973

Previews

White Background



This preview shows how the XYZ color 39.7297, 53.7979, 15.8795 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 39.7297, 53.7979, 15.8795 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 39.7297, 53.7979, 15.8795

Background



This preview shows how black text looks on a background with the XYZ color 39.7297, 53.7979, 15.8795.



This preview shows how white text looks on a background with the XYZ color 39.7297, 53.7979,

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

39.7297, 53.7979, 15.8795

Protanopia

48.6206, 53.5524, 14.6116

Deuteranopia

54.4574, 53.3198, 16.4384



Tritanopia

50.4394, 53.6284, 68.6657

Trichromacy



Original Color

39.7297, 53.7979, 15.8795

Protanomaly

44.7889, 53.2530, 14.9394

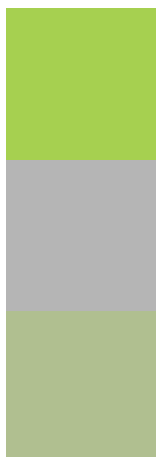
Deuteranomaly

47.8216, 52.7771, 16.0540

Tritanomaly

45.1696, 53.1830, 42.5350

Monochromacy



Original Color

39.7297, 53.7979, 15.8795

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

41.5693, 48.5053, 33.5571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7297, 53.7979, 15.8795 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(166, 208, 80)` looks like.

```
.text, #text, p{  
    color:rgb(166, 208, 80)  
}
```

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(166, 208, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 208, 80) }
```

Border

The CSS property to change the border of an element to XYZ 39.7297, 53.7979, 15.8795 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(166, 208, 80) }
```


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

```
.border{ border-color:rgb(166, 208, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 208, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 208, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 208, 80);  
box-shadow:4px 4px 4px 4px rgb(166, 208,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7297, 53.7979, 15.8795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 208, 80) }
```

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

```
.background{ background-color: rgb(166,  
208, 80) }
```

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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