

Converting Colors

$Y_{xy}(53.1788, 0.3741, 0.5297)$

Have a look what the booklet for
Yxy(53.1788, 0.3741, 0.5297)
contains.

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Color

Yxy(53.1788, 0.3741, 0.5297)

Conversions

Conversions Part 1

Format	Color
Hex	A0D120
RGB	160, 209, 32
RGB Percent	63%, 82%, 13%
CMY	0.3726, 0.1804, 0.8741
CMYK	0.23, 0.00, 0.85, 0.18
HSL	77°, 73%, 47%
HSV	77°, 85%, 82%
XYZ	37.5575, 53.1788, 9.6579
YIQ	174.1710, 27.6130, -65.4350

Conversions

Conversions Part 2

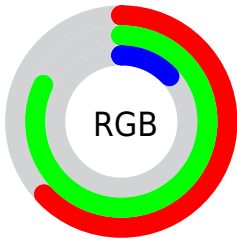
Format	Color
RYB	32, 209, 81
Decimal	10539296
CIELab	77.98, -38.18, 72.84
CIElCh	78, 82.241, 117.662
Yxy	53.1788, 0.3741, 0.5297
Android (android.graphics.Color)	4288729376 (0xFFA0D120)
YUV	174.1710, -70.0903, -12.4280
Hunter-Lab	72.9238, -35.6850, 43.1944

Details

The Yxy color **53.1788, 0.3741, 0.5297** 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 **7.3968, 0.1842, 0.0883**, and the grayscale version is **42.7825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4246, 0.3750, 0.4886**, and **25.9948, 0.3629, 0.5501** is the 20% darker color. If you saturate the color by 10%, you get **52.5180, 0.3723, 0.5398**, and if you desaturate by 10%, it is **53.9442, 0.3734, 0.5148**.

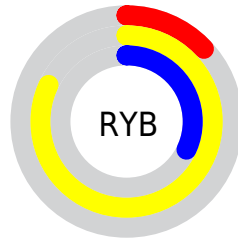
Distribution



Red (63%)

Green (82%)

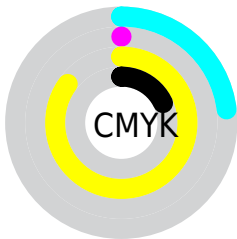
Blue (13%)



Red (13%)

Yellow (82%)

Blue (32%)

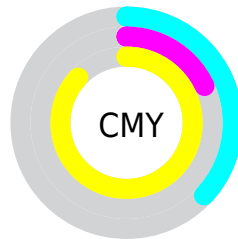


Cyan (23%)

Magenta (0%)

Yellow (85%)

Black (18%)



Cyan (37%)


Magenta (18%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1788, 0.3741, 0.5297 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 Yxy color 53.1788, 0.3741, 0.5297 by changing the saturation by 10% instead.

 53.1788, 0.3741,
0.5297


 53.1788, 0.3741,
0.5297


398.9707, 0.3537,
0.4315


 37.9455, 0.3751,
0.5513


 94.8674, 0.3697,
0.4958


 25.9404, 0.3738,
0.5766

 122.0916, 0.3671,
0.4824


 16.7791, 0.3686,
0.6064


 154.0814, 0.3645,
0.4709

 10.0771, 0.3570,
0.6430

 191.2214, 0.3621,
0.4609

 5.4501, 0.3262,
0.6738

 233.8960, 0.3598,
0.4521

 2.5137, 0.2775,
0.7225

 282.4894, 0.3576,

 0.8835, 0.0000,

0.4444

1.0000

337.3862, 0.3556,
0.4376

■ 0.0000, 0.0000,
0.0000

■ 53.1788, 0.3741,
0.5297

■ 53.1788, 0.3741,
0.5297

■ 52.5180, 0.3723,
0.5398

■ 53.9442, 0.3734,
0.5148

■ 52.1923, 0.3707,
0.5438

■ 54.8192, 0.3701,
0.4954

■ 55.8163, 0.3645,
0.4723

■ 56.9442, 0.3570,
0.4467

■ 58.2105, 0.3480,
0.4197

■ 59.6226, 0.3381,
0.3925

■ 61.1868, 0.3278,
0.3658

■ 62.9092, 0.3175,
0.3403

■ 64.7957, 0.3073,
0.3164

Harmonies

Analogous

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



53.1788, 0.4629, 0.4751



53.1788, 0.3741, 0.5297



53.1788, 0.2755, 0.5098

Triad

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



53.1788, 0.3741, 0.5297



53.1788, 0.1388, 0.2062



53.1788, 0.4339, 0.2623

Complementary

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



53.1788, 0.3741, 0.5297



7.3968, 0.1842, 0.0883

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.



53.1788, 0.3206, 0.2098



53.1788, 0.3741, 0.5297



53.1788, 0.1639, 0.1769

Square

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



53.1788, 0.3741, 0.5297



53.1788, 0.1465, 0.2794



53.1788, 0.2239, 0.1798



53.1788, 0.5123, 0.3282

Rectangle

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



53.1788, 0.3741, 0.5297



53.1788, 0.2166, 0.4422



53.1788, 0.2239, 0.1798



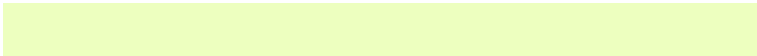
53.1788, 0.3971, 0.2428

Sweetspot

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



53.1812, 0.3741, 0.5297



93.3549, 0.3388, 0.3942



19.2928, 0.5625, 0.3695



19.8088, 0.3424, 0.4039



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.1812, 0.3741, 0.5297



81.7525, 0.3702, 0.5443



47.1402, 0.3148, 0.5742



13.6261, 0.3224, 0.3523



32.2293, 0.3715, 0.5433



1.8406, 0.3806, 0.5360

Inverse Universe

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



7.3968, 0.1842, 0.0883



8.5467, 0.1659, 0.0687



13.9372, 0.2714, 0.1345



11.5740, 0.3024, 0.3053



3.4340, 0.1680, 0.0699



0.2320, 0.1880, 0.0809

Previews

White Background



This preview shows how the Yxy color 53.1788, 0.3741, 0.5297 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 Yxy color 53.1788, 0.3741, 0.5297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

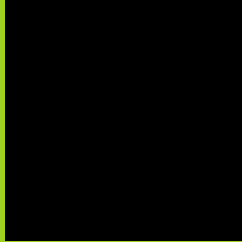
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.1788, 0.3741, 0.5297

Background



This preview shows how black text looks on a background with the Yxy color 53.1788, 0.3741, 0.5297.



This preview shows how white text looks on a background with the Yxy color 53.1788, 0.3741, 0.5297.

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

53.1788, 0.3741, 0.5297

Protanopia

52.9708, 0.4369, 0.4833

Deuteranopia

52.5549, 0.4620, 0.4505



Tritanopia

52.7017, 0.2890, 0.3090

Trichromacy



Original Color

53.1788, 0.3741, 0.5297

Protanomaly

52.6713, 0.4129, 0.5010

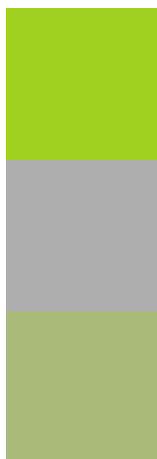
Deuteranomaly

51.8707, 0.4293, 0.4796

Tritanomaly

51.5491, 0.3297, 0.4015

Monochromacy



Original Color

53.1788, 0.3741, 0.5297

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

45.3808, 0.3479, 0.4194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1788, 0.3741, 0.5297 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(160, 209, 32)` looks like.

```
.text, #text, p{  
    color:rgb(160, 209, 32)  
}
```

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(160, 209, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 209, 32) }
```

Border

The CSS property to change the border of an element to Yxy 53.1788, 0.3741, 0.5297 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(160, 209, 32) }
```

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

```
.border{ border-color:rgb(160, 209, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 209, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 209, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 209, 32);  
box-shadow:4px 4px 4px 4px rgb(160, 209,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1788, 0.3741, 0.5297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 209, 32) }
```

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

```
.background{ background-color: rgb(160,  
209, 32) }
```

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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