

Converting Colors

$Y_{xy}(40.2362, 0.33336, 0.5519)$

Have a look what the booklet for
Yxy(40.2362, 0.3336, 0.5519)
contains.

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Color

Yxy(40.1109, 0.3336, 0.5521)

Conversions

Conversions Part 1

Format	Color
Hex	64BF26
RGB	100, 191, 38
RGB Percent	39%, 75%, 15%
CMY	0.6079, 0.2510, 0.8507
CMYK	0.48, 0.00, 0.80, 0.25
HSL	96°, 67%, 45%
HSV	96°, 80%, 75%
XYZ	24.2365, 40.1109, 8.3041
YIQ	146.3490, -5.1230, -66.8750

Conversions

Conversions Part 2

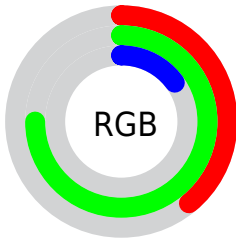
Format	Color
R_{YB}	38, 191, 129
Decimal	6602534
CIE _{Lab}	69.55, -51.68, 62.68
CIE _{LCh}	70, 81.239, 129.504
Yxy	40.1109, 0.3336, 0.5521
Android (android.graphics.Color)	4284792614 (0xFF64BF26)
YUV	146.3490, -53.4161, -40.6481
Hunter-Lab	63.3332, -42.5241, 36.5593

Details

The Yxy color **40.1109, 0.3336, 0.5521** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **9.8263, 0.2421, 0.1241**, and the grayscale version is **29.1242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2484, 0.3364, 0.5085**, and **18.2486, 0.3119, 0.5905** is the 20% darker color. If you saturate the color by 10%, you get **39.4156, 0.3296, 0.5690**, and if you desaturate by 10%, it is **40.9633, 0.3357, 0.5294**.

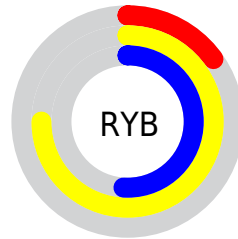
Distribution



Red (39%)

Green (75%)

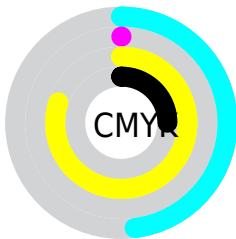
Blue (15%)



Red (15%)

Yellow (75%)

Blue (51%)

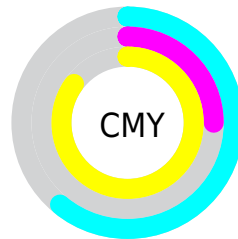


Cyan (48%)

Magenta (0%)

Yellow (80%)

Black (25%)



Cyan (61%)


Magenta (25%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1109, 0.3336, 0.5521 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 40.1109, 0.3336, 0.5521 by changing the saturation by 10% instead.


 40.1109, 0.3336,
0.5521

 40.1109, 0.3336,
0.5521


346.5908, 0.3326,
0.4326

 27.6250, 0.3294,
0.5821


 75.3324, 0.3362,
0.5079

 18.0432, 0.3211,
0.6193


 98.8367, 0.3363,
0.4915

 10.9810, 0.3069,
0.6696


 126.7827, 0.3359,
0.4776

 6.0541, 0.2754,
0.7246

 159.5547, 0.3354,
0.4659

 2.8780, 0.2165,
0.7835

 197.5371, 0.3347,
0.4558

 1.0684, 0.0000,
1.0000

 241.1144, 0.3340,

 0.0000, 0.0000,

0.4470

0.0000

290.6708, 0.3333,
0.4394

■ 40.1109, 0.3336,
0.5521

■ 40.1109, 0.3336,
0.5521

■ 39.4156, 0.3296,
0.5690

■ 40.9633, 0.3357,
0.5294

■ 38.8551, 0.3245,
0.5805

■ 41.9797, 0.3360,
0.5024

■ 43.1723, 0.3345,
0.4725

■ 44.5507, 0.3316,
0.4415

■ 46.1234, 0.3276,
0.4109

■ 47.8986, 0.3229,
0.3815

■ 49.8839, 0.3179,
0.3542

■ 52.0864, 0.3128,
0.3292

■ 54.5129, 0.3076,
0.3066

Harmonies

Analogous

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



40.1109, 0.4352, 0.5117



40.1109, 0.3336, 0.5521



40.1109, 0.2320, 0.4884

Triad

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



40.1109, 0.3336, 0.5521



40.1109, 0.1348, 0.1805



40.1109, 0.4853, 0.2831

Complementary

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



40.1109, 0.3336, 0.5521



9.8263, 0.2421, 0.1241

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.



40.1109, 0.3694, 0.2214



40.1109, 0.3336, 0.5521



40.1109, 0.1746, 0.1650

Square

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



40.1109, 0.3336, 0.5521



40.1109, 0.1286, 0.2367



40.1109, 0.2534, 0.1799



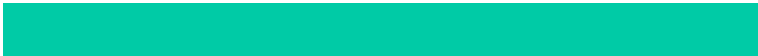
40.1109, 0.5397, 0.3545

Rectangle

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



40.1109, 0.3336, 0.5521



40.1109, 0.1785, 0.3962



40.1109, 0.2534, 0.1799



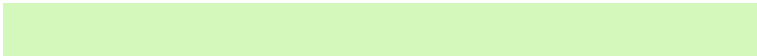
40.1109, 0.4508, 0.2610

Sweetspot

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



40.1126, 0.3336, 0.5521



84.3664, 0.3250, 0.3940



26.4691, 0.4804, 0.4316



18.2775, 0.3267, 0.4046



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.1126, 0.3336, 0.5521



69.8240, 0.3257, 0.5776



37.9141, 0.2975, 0.5632



10.8331, 0.3175, 0.3523



25.5783, 0.3255, 0.5798



1.0402, 0.3453, 0.5641

Inverse Universe

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



9.8263, 0.2421, 0.1241



13.5508, 0.2243, 0.1022



15.6925, 0.3374, 0.1751



9.4984, 0.3075, 0.3059



4.8563, 0.2231, 0.1003



0.2275, 0.2466, 0.1132

Previews

White Background



This preview shows how the Yxy color 40.1109, 0.3336, 0.5521 looks on a white background.

Color Contrast Check

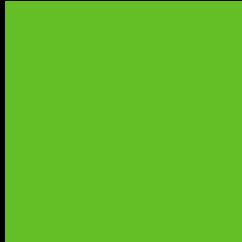
Large Text (above 18pt) WCAG AA × Fail

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 40.1109, 0.3336, 0.5521 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 40.1109, 0.3336, 0.5521

Background



This preview shows how black text looks on a background with the Yxy color 40.1109, 0.3336, 0.5521.



This preview shows how white text looks on a background with the Yxy color 40.1109, 0.3336, 0.5521.

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

40.1109, 0.3336, 0.5521

Protanopia

39.4274, 0.4341, 0.4796

Deuteranopia

39.2475, 0.4546, 0.4452



Tritanopia

39.9316, 0.2606, 0.3084

Trichromacy



Original Color

40.1109, 0.3336, 0.5521

Protanomaly

38.7279, 0.3933, 0.5092

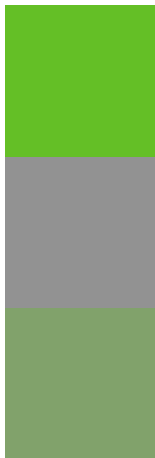
Deuteranomaly

37.9971, 0.4071, 0.4850

Tritanomaly

39.2894, 0.2929, 0.4046

Monochromacy



Original Color

40.1109, 0.3336, 0.5521

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.5693, 0.3288, 0.4215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1109, 0.3336, 0.5521 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(100, 191, 38)` looks like.

```
.text, #text, p{  
    color:rgb(100, 191, 38)  
}
```

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(100, 191, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 191, 38) }
```

Border

The CSS property to change the border of an element to Yxy 40.1109, 0.3336, 0.5521 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(100, 191, 38) }
```

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

```
.border{ border-color:rgb(100, 191, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 191, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 191, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 191, 38);  
box-shadow:4px 4px 4px 4px rgb(100, 191,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1109, 0.3336, 0.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 191, 38) }
```

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

```
.background{ background-color: rgb(100,  
191, 38) }
```

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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