

Converting Colors

$Y_{xy}(35.7388, 0.2949, 0.5780)$

Have a look what the booklet for
Yxy(35.7388, 0.2949, 0.5780)
contains.

Yxy(35.7388, 0.2949, 0.5780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.7388, 0.2949, 0.5780)

Conversions

Conversions Part 1

Format	Color
Hex	08BB27
RGB	8, 187, 39
RGB Percent	3%, 73%, 15%
CMY	0.9698, 0.2666, 0.8469
CMYK	0.96, 0.00, 0.79, 0.27
HSL	130°, 92%, 38%
HSV	130°, 96%, 73%
XYZ	18.2342, 35.7388, 7.8588
YIQ	116.6070, -59.1760, -83.9760

Conversions

Conversions Part 2

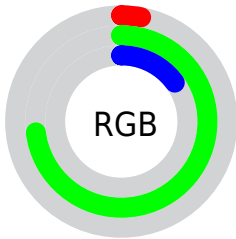
Format	Color
RYB	8, 161, 187
Decimal	572199
CIELab	66.32, -66.46, 58.66
CIELCh	66, 88.641, 138.565
Yxy	35.7388, 0.2949, 0.5780
Android (android.graphics.Color)	4278762279 (0xFF08BB27)
YUV	116.6070, -38.2603, -95.2483
Hunter-Lab	59.7819, -50.1737, 34.0532

Details

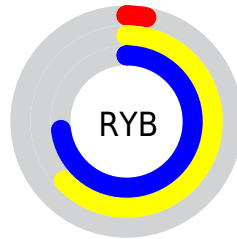
The Yxy color **35.7388, 0.2949, 0.5780** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.1222, 0.3682, 0.1820**, and the grayscale version is **17.7685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9160, 0.3056, 0.5249**, and **16.5025, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.6519, 0.2956, 0.5841**, and if you desaturate by 10%, it is **36.0395, 0.2931, 0.5593**.

Distribution



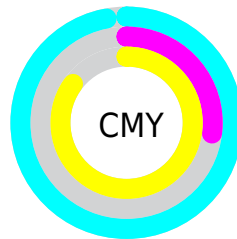
- Red (3%)
- Green (73%)
- Blue (15%)



- Red (3%)
- Yellow (63%)
- Blue (73%)



- Cyan (96%)
- Magenta (0%)
- Yellow (79%)
- Black (27%)



- Cyan (97%)
- Magenta (27%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7388, 0.2949, 0.5780 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 35.7388, 0.2949, 0.5780 by changing the saturation by 10% instead.


 35.7388, 0.2949,
0.5780


 35.7388, 0.2949,
0.5780


327.8174, 0.3146,
0.4385


 24.2325, 0.2850,
0.6155


 68.6287, 0.3055,
0.5246

 15.5062, 0.2688,
0.6635


 90.7812, 0.3084,
0.5053


 9.1754, 0.2446,
0.7333


 117.2511, 0.3104,
0.4892

 4.8558, 0.1962,
0.8038

 148.4230, 0.3118,
0.4758

 2.1629, 0.0420,
0.9580

 184.6812, 0.3129,
0.4643

 0.6996, 0.0000,
1.0000

 226.4100, 0.3137,

 0.0000, 0.0000,

0.4545

0.0000

273.9940, 0.3142,
0.4460

■ 35.7388, 0.2949,
0.5780

■ 35.7388, 0.2949,
0.5780

■ 35.6519, 0.2956,
0.5841

■ 36.0395, 0.2931,
0.5593

■ 36.5450, 0.2923,
0.5352

■ 37.2884, 0.2927,
0.5070

■ 38.2953, 0.2942,
0.4768

■ 39.5878, 0.2966,
0.4461

■ 41.1859, 0.2997,
0.4164

■ 43.1074, 0.3032,
0.3887

■ 45.3690, 0.3068,
0.3635

■ 47.9862, 0.3106,
0.3410

Harmonies

Analogous

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



35.7388, 0.4084, 0.5509



35.7388, 0.2949, 0.5780



35.7388, 0.1911, 0.4669

Triad

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



35.7388, 0.2949, 0.5780



35.7388, 0.1280, 0.1568



35.7388, 0.5355, 0.2978

Complementary

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



35.7388, 0.2949, 0.5780



13.1222, 0.3682, 0.1820

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.



35.7388, 0.4187, 0.2284



35.7388, 0.2949, 0.5780



35.7388, 0.1815, 0.1518

Square

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



35.7388, 0.2949, 0.5780



35.7388, 0.1106, 0.2000



35.7388, 0.2808, 0.1765



35.7388, 0.5638, 0.3748

Rectangle

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



35.7388, 0.2949, 0.5780



35.7388, 0.1435, 0.3537



35.7388, 0.2808, 0.1765



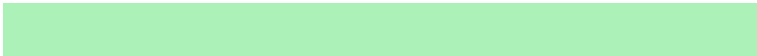
35.7388, 0.5042, 0.2736

Sweetspot

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



35.7403, 0.2949, 0.5780



75.8957, 0.3019, 0.3983



42.7412, 0.3905, 0.5258



16.3928, 0.3004, 0.4103



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.7403, 0.2949, 0.5780



63.8227, 0.2961, 0.5860



37.1321, 0.2554, 0.4367



10.6761, 0.3093, 0.3485



24.5699, 0.2951, 0.5825



0.9709, 0.2837, 0.5412

Inverse Universe

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



13.1222, 0.3682, 0.1820



23.0879, 0.3717, 0.1821



11.1438, 0.5519, 0.2847



9.6669, 0.3164, 0.3103



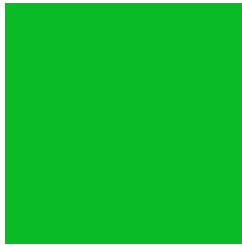
8.9037, 0.3701, 0.1812



0.3564, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 35.7388, 0.2949, 0.5780 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 35.7388, 0.2949, 0.5780 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 35.7388, 0.2949, 0.5780

Background



This preview shows how black text looks on a background with the Yxy color 35.7388, 0.2949, 0.5780.



This preview shows how white text looks on a background with the Yxy color 35.7388, 0.2949, 0.5780.

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

35.7388, 0.2949, 0.5780

Protanopia

34.9492, 0.4333, 0.4784

Deuteranopia

35.0117, 0.4510, 0.4419



Tritanopia

35.5226, 0.2361, 0.3066

Trichromacy



Original Color

35.7388, 0.2949, 0.5780



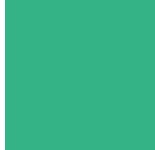
Protanomaly

32.6527, 0.3585, 0.5318



Deuteranomaly

31.8778, 0.3689, 0.5066



Tritanomaly

34.6915, 0.2581, 0.4099

Monochromacy



Original Color

35.7388, 0.2949, 0.5780



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.6451, 0.2964, 0.4413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7388, 0.2949, 0.5780 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(8, 187, 39)` looks like.

```
.text, #text, p{  
    color:rgb(8, 187, 39)  
}
```

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(8, 187, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 187, 39) }
```

Border

The CSS property to change the border of an element to Yxy 35.7388, 0.2949, 0.5780 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(8, 187, 39) }
```

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

```
.border{ border-color:rgb(8, 187, 39) }
```

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

Here you see how a box with a 4 pixel rgb(8, 187, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 187, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 187, 39);  
box-shadow:4px 4px 4px 4px rgb(8, 187, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.7388, 0.2949, 0.5780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 187, 39) }
```

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

```
.background{ background-color: rgb(8, 187,  
39) }
```

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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