

Converting Colors

$Y_{xy}(27.6378, 0.3654, 0.5034)$

Have a look what the booklet for
Yxy(27.6378, 0.3654, 0.5034)
contains.

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Color

Yxy(27.6575, 0.3649, 0.5041)

Conversions

Conversions Part 1

Format	Color
Hex	789B31
RGB	120, 155, 49
RGB Percent	47%, 61%, 19%
CMY	0.5294, 0.3921, 0.8079
CMYK	0.23, 0.00, 0.68, 0.39
HSL	80°, 52%, 40%
HSV	80°, 68%, 61%
XYZ	20.0203, 27.6575, 7.1873
YIQ	132.4510, 13.1660, -40.3860

Conversions

Conversions Part 2

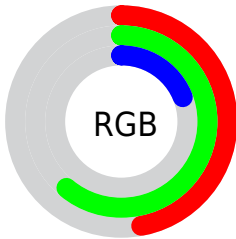
Format	Color
RYB	49, 155, 84
Decimal	7904049
CIELab	59.58, -28.27, 49.48
CIELCh	60, 56.986, 119.744
Yxy	27.6575, 0.3649, 0.5041
Android (android.graphics.Color)	4286094129 (0xFF789B31)
YUV	132.4510, -41.1413, -10.9195
Hunter-Lab	52.5904, -24.0813, 28.7103

Details

The Yxy color **27.6575, 0.3649, 0.5041** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.4474, 0.2186, 0.1321**, and the grayscale version is **23.3936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1467, 0.3587, 0.4675**, and **11.0939, 0.3611, 0.5515** is the 20% darker color. If you saturate the color by 10%, you get **27.1933, 0.3667, 0.5233**, and if you desaturate by 10%, it is **28.1887, 0.3608, 0.4812**.

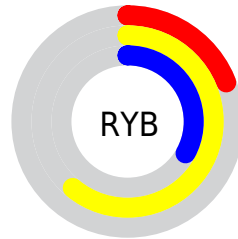
Distribution



Red (47%)

Green (61%)

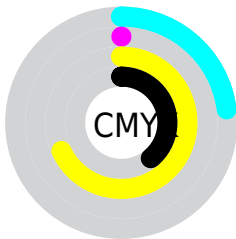
Blue (19%)



Red (19%)

Yellow (61%)

Blue (33%)

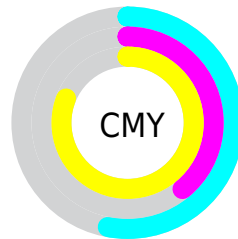


Cyan (23%)

Magenta (0%)

Yellow (68%)

Black (39%)



Cyan (53%)

Magenta (39%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6575, 0.3649, 0.5041 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 27.6575, 0.3649, 0.5041 by changing the saturation by 10% instead.


 27.6575, 0.3649,
0.5041

 27.6575, 0.3649,
0.5041


290.8267, 0.3427,
0.4070


 18.0676, 0.3673,
0.5301


 55.9372, 0.3587,
0.4671

 10.9986, 0.3673,
0.5633


 75.3957, 0.3557,
0.4536


 6.0659, 0.3695,
0.6196

 98.9127, 0.3529,
0.4424

 2.8852, 0.3403,
0.6597

 126.8724, 0.3504,
0.4331

 1.0721, 0.2286,
0.7714

 159.6593, 0.3482,
0.4251

 0.0000, 0.0000,
0.0000

 197.6577, 0.3461,

0.4182

241.2520, 0.3443,
0.4122

■ 27.6575, 0.3649,
0.5041

■ 27.6575, 0.3649,
0.5041

■ 27.1933, 0.3667,
0.5233

■ 28.1887, 0.3608,
0.4812

■ 26.7874, 0.3661,
0.5379

■ 28.7877, 0.3548,
0.4558

■ 26.4312, 0.3635,
0.5484

■ 29.4598, 0.3473,
0.4289

■ 26.3764, 0.3630,
0.5500

■ 30.2084, 0.3388,
0.4016

■ 31.0371, 0.3297,
0.3749

■ 31.9488, 0.3205,
0.3493

■ 32.9465, 0.3113,
0.3253

■ 34.0331, 0.3023,
0.3031

■ 35.2110, 0.2939,
0.2828

Harmonies

Analogous

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



27.6575, 0.4438, 0.4658



27.6575, 0.3649, 0.5041



27.6575, 0.2772, 0.4768

Triad

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



27.6575, 0.3649, 0.5041



27.6575, 0.1578, 0.2189



27.6575, 0.4239, 0.2750

Complementary

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



27.6575, 0.3649, 0.5041



6.4474, 0.2186, 0.1321

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.



27.6575, 0.3274, 0.2258



27.6575, 0.3649, 0.5041



27.6575, 0.1830, 0.1930

Square

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



27.6575, 0.3649, 0.5041



27.6575, 0.1637, 0.2823



27.6575, 0.2402, 0.1969



27.6575, 0.4882, 0.3361

Rectangle

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



27.6575, 0.3649, 0.5041



27.6575, 0.2254, 0.4179



27.6575, 0.2402, 0.1969



27.6575, 0.3931, 0.2568

Sweetspot

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



27.6587, 0.3649, 0.5041



55.1168, 0.3325, 0.3828



13.3103, 0.4893, 0.3801



12.3890, 0.3348, 0.3897



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.6587, 0.3649, 0.5041



48.3054, 0.3667, 0.5315



24.9106, 0.3157, 0.5353



7.1207, 0.3212, 0.3513



21.2052, 0.3635, 0.5496



0.3366, 0.3893, 0.5291

Inverse Universe

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



6.4474, 0.2186, 0.1321



7.7308, 0.1954, 0.0973



9.7607, 0.2905, 0.1658



6.1205, 0.3037, 0.3064



2.4892, 0.1761, 0.0744



0.0556, 0.2226, 0.1000

Previews

White Background



This preview shows how the Yxy color 27.6575, 0.3649, 0.5041 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6575, 0.3649, 0.5041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

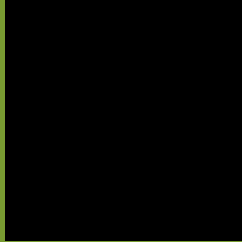
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6575, 0.3649, 0.5041

Background



This preview shows how black text looks on a background with the Yxy color 27.6575, 0.3649, 0.5041.



This preview shows how white text looks on a background with the Yxy color 27.6575, 0.3649, 0.5041.

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

27.6575, 0.3649, 0.5041

Protanopia

27.3158, 0.4229, 0.4655

Deuteranopia

27.3588, 0.4440, 0.4357



Tritanopia

27.6376, 0.2903, 0.3110

Trichromacy



Original Color

27.6575, 0.3649, 0.5041

Protanomaly

27.0924, 0.4008, 0.4800

Deuteranomaly

27.0701, 0.4148, 0.4608

Tritanomaly

27.3684, 0.3214, 0.3847

Monochromacy



Original Color

27.6575, 0.3649, 0.5041

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.3047, 0.3381, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6575, 0.3649, 0.5041 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(120, 155, 49)` looks like.

```
.text, #text, p{  
    color:rgb(120, 155, 49)  
}
```

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(120, 155, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 155, 49) }
```

Border

The CSS property to change the border of an element to Yxy 27.6575, 0.3649, 0.5041 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(120, 155, 49) }
```

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

```
.border{ border-color:rgb(120, 155, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 155, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 155, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 155, 49);  
box-shadow:4px 4px 4px 4px rgb(120, 155,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6575, 0.3649, 0.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 155, 49) }
```

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

```
.background{ background-color: rgb(120,  
155, 49) }
```

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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