

Converting Colors

$Y_{xy}(27.6713, 0.3763, 0.4958)$

Have a look what the booklet for
Yxy(27.6713, 0.3763, 0.4958)
contains.

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Color

Yxy(27.6713, 0.3763, 0.4958)

Conversions

Conversions Part 1

Format	Color
Hex	819931
RGB	129, 153, 49
RGB Percent	51%, 60%, 19%
CMY	0.4940, 0.4000, 0.8079
CMYK	0.16, 0.00, 0.68, 0.40
HSL	74°, 51%, 40%
HSV	74°, 68%, 60%
XYZ	21.0018, 27.6713, 7.1383
YIQ	133.9680, 19.0800, -37.4320

Conversions

Conversions Part 2

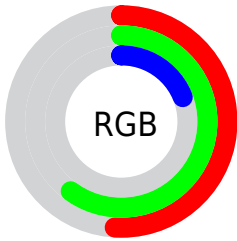
Format	Color
R_{YB}	49, 153, 73
Decimal	8493361
CIE _{Lab}	59.59, -23.54, 49.68
CIE _{LCh}	60, 54.979, 115.353
Yxy	27.6713, 0.3763, 0.4958
Android (android.graphics.Color)	4286683441 (0xFF819931)
YUV	133.9680, -41.8892, -4.3569
Hunter-Lab	52.6035, -20.7904, 28.7768

Details

The Yxy color **27.6713, 0.3763, 0.4958** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.9103, 0.2073, 0.1277**, and the grayscale version is **23.9813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7556, 0.3674, 0.4611**, and **11.0392, 0.3773, 0.5386** is the 20% darker color. If you saturate the color by 10%, you get **27.2931, 0.3799, 0.5131**, and if you desaturate by 10%, it is **28.1053, 0.3704, 0.4748**.

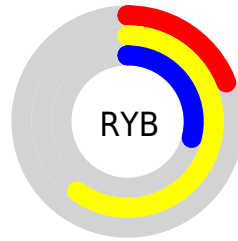
Distribution



Red (51%)

Green (60%)

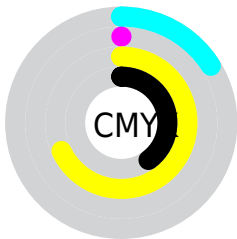
Blue (19%)



Red (19%)

Yellow (60%)

Blue (29%)

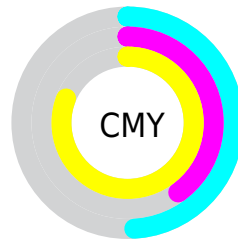


Cyan (16%)

Magenta (0%)

Yellow (68%)

Black (40%)



Cyan (49%)


Magenta (40%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6713, 0.3763, 0.4958 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 27.6713, 0.3763, 0.4958 by changing the saturation by 10% instead.


 27.6713, 0.3763,
0.4958


 27.6713, 0.3763,
0.4958


290.8929, 0.3475,
0.4044


 18.0780, 0.3806,
0.5197


 55.9592, 0.3675,
0.4613


 11.0060, 0.3832,
0.5499


 75.4227, 0.3636,
0.4486

 6.0709, 0.3896,
0.6011

 98.9450, 0.3601,
0.4381

 2.8882, 0.3657,
0.6343

 126.9105, 0.3570,
0.4292

 1.0737, 0.2881,
0.7119

 159.7037, 0.3542,
0.4216

 0.0000, 0.0000,
0.0000

 197.7089, 0.3518,

0.4151

241.3105, 0.3495,
0.4094

■ 27.6713, 0.3763,
0.4958

■ 27.6713, 0.3763,
0.4958

■ 27.2931, 0.3799,
0.5131

■ 28.1053, 0.3704,
0.4748

■ 26.9624, 0.3810,
0.5261

■ 28.5956, 0.3626,
0.4510

■ 26.6715, 0.3799,
0.5350

■ 29.1470, 0.3533,
0.4255

■ 26.6148, 0.3797,
0.5367

■ 29.7628, 0.3430,
0.3993

■ 30.4461, 0.3322,
0.3733

■ 31.1997, 0.3213,
0.3482

■ 32.0263, 0.3106,
0.3243

■ 32.9283, 0.3002,
0.3021

■ 33.9082, 0.2904,
0.2816

Harmonies

Analogous

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



27.6713, 0.4496, 0.4541



27.6713, 0.3763, 0.4958



27.6713, 0.2911, 0.4795

Triad

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



27.6713, 0.3763, 0.4958



27.6713, 0.1609, 0.2292



27.6713, 0.4074, 0.2688

Complementary

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



27.6713, 0.3763, 0.4958



5.9103, 0.2073, 0.1277

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.



27.6713, 0.3134, 0.2233



27.6713, 0.3763, 0.4958



27.6713, 0.1812, 0.1987

Square

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



27.6713, 0.3763, 0.4958



27.6713, 0.1717, 0.2967



27.6713, 0.2324, 0.1984



27.6713, 0.4764, 0.3274

Rectangle

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



27.6713, 0.3763, 0.4958



27.6713, 0.2387, 0.4286



27.6713, 0.2324, 0.1984



27.6713, 0.3767, 0.2518

Sweetspot

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



27.6725, 0.3763, 0.4958



54.2210, 0.3349, 0.3795



11.5671, 0.5018, 0.3633



11.9022, 0.3376, 0.3862



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.6725, 0.3763, 0.4958



48.5367, 0.3808, 0.5210



24.6423, 0.3243, 0.5285



7.1511, 0.3227, 0.3512



22.0130, 0.3800, 0.5365



0.3448, 0.3987, 0.5216

Inverse Universe

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



5.9103, 0.2073, 0.1277



6.8003, 0.1825, 0.0906



8.7455, 0.2751, 0.1594



6.0916, 0.3022, 0.3063



2.2131, 0.1642, 0.0678



0.0474, 0.2030, 0.0892

Previews

White Background



This preview shows how the Yxy color 27.6713, 0.3763, 0.4958 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 27.6713, 0.3763, 0.4958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

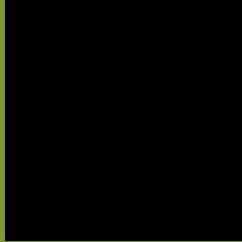
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6713, 0.3763, 0.4958

Background



This preview shows how black text looks on a background with the Yxy color 27.6713, 0.3763, 0.4958.



This preview shows how white text looks on a background with the Yxy color 27.6713, 0.3763, 0.4958.

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

27.6713, 0.3763, 0.4958

Protanopia

27.6174, 0.4218, 0.4667

Deuteranopia

27.3491, 0.4447, 0.4367



Tritanopia

27.5535, 0.2990, 0.3113

Trichromacy



Original Color

27.6713, 0.3763, 0.4958

Protanomaly

27.4622, 0.4055, 0.4771

Deuteranomaly

27.0766, 0.4193, 0.4576

Tritanomaly

27.3626, 0.3313, 0.3819

Monochromacy



Original Color

27.6713, 0.3763, 0.4958

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.9346, 0.3414, 0.3962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6713, 0.3763, 0.4958 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(129, 153, 49)` looks like.

```
.text, #text, p{  
    color:rgb(129, 153, 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(129, 153, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 153, 49) }
```

Border

The CSS property to change the border of an element to Yxy 27.6713, 0.3763, 0.4958 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(129, 153, 49) }
```

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

```
.border{ border-color:rgb(129, 153, 49) }
```

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

Here you see how a box with a 4 pixel rgb(129, 153, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 153, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 153, 49);  
box-shadow:4px 4px 4px 4px rgb(129, 153,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6713, 0.3763, 0.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 153, 49) }
```

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

```
.background{ background-color: rgb(129,  
153, 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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