

Converting Colors

$Y_{xy}(30.3902, 0.2616, 0.3289)$

Have a look what the booklet for
Yxy(30.3902, 0.2616, 0.3289)
contains.

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Color

Yxy(30.3890, 0.2616, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	64A0A0
RGB	100, 160, 160
RGB Percent	39%, 63%, 63%
CMY	0.6078, 0.3725, 0.3727
CMYK	0.37, 0.00, 0.00, 0.37
HSL	180°, 24%, 51%
HSV	180°, 37%, 63%
XYZ	24.1708, 30.3890, 37.8361
YIQ	142.0600, -35.7600, -12.7200

Conversions

Conversions Part 2

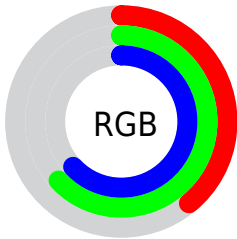
Format	Color
RYB	100, 130, 160
Decimal	6594720
CIELab	61.99, -19.38, -6.15
CIElCh	62, 20.331, 197.595
Yxy	30.3890, 0.2616, 0.3289
Android (android.graphics.Color)	4284784800 (0xFF64A0A0)
YUV	142.0600, 8.8444, -36.8866
Hunter-Lab	55.1262, -18.2054, -2.1056

Details

The Yxy color **30.3890, 0.2616, 0.3289** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.5129, 0.4015, 0.3292**, and the grayscale version is **27.0516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3772, 0.2718, 0.3289**, and **12.4336, 0.2439, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **29.5652, 0.2511, 0.3289**, and if you desaturate by 10%, it is **31.3944, 0.2737, 0.3289**.

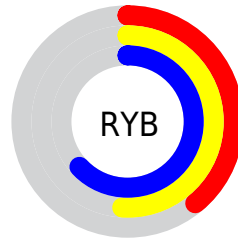
Distribution



Red (39%)

Green (63%)

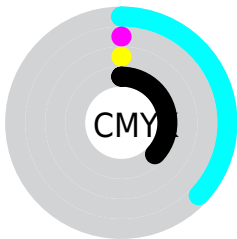
Blue (63%)



Red (39%)

Yellow (51%)

Blue (63%)

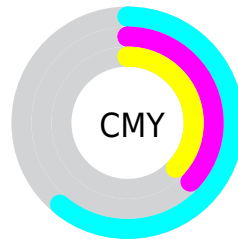


Cyan (37%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (61%)


Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3890, 0.2616, 0.3289 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 30.3890, 0.2616, 0.3289 by changing the saturation by 10% instead.

 30.3890, 0.2616,
0.3289


 30.3890, 0.2616,
0.3289


303.7135, 0.2886,
0.3294


 20.1340, 0.2544,
0.3286


 60.2768, 0.2718,
0.3292


 12.4925, 0.2448,
0.3281


 80.6785, 0.2755,
0.3293

 7.0800, 0.2314,
0.3271


 105.2311, 0.2786,
0.3293

 3.5122, 0.2117,
0.3251

 134.3192, 0.2812,
0.3294

 1.4046, 0.1798,
0.3204

168.3271, 0.2835,
0.3294

 0.2201, 0.0000,
0.2475

207.6391, 0.2854,

 0.0000, 0.0000,

0.3294

0.0000

252.6398, 0.2871,
0.3294

■ 30.3890, 0.2616,
0.3289

■ 30.3890, 0.2616,
0.3289

■ 29.5652, 0.2511,
0.3289

■ 31.3944, 0.2737,
0.3289

■ 28.9088, 0.2423,
0.3289

■ 32.5875, 0.2870,
0.3289

■ 28.4095, 0.2353,
0.3289


■ 33.9784, 0.3014,
0.3290


■ 28.0540, 0.2302,
0.3289


■ 35.5756, 0.3166,
0.3290


■ 27.8273, 0.2269,
0.3289


■ 37.3870, 0.3322,
0.3290


 27.7040, 0.2251,
0.3289

 39.4201, 0.3480,
0.3291

 27.6780, 0.2247,
0.3289

 41.6820, 0.3638,
0.3291

 44.1796, 0.3794,
0.3292

 46.9194, 0.3946,
0.3292

Harmonies

Analogous

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



30.3890, 0.2850, 0.3600



30.3890, 0.2616, 0.3289



30.3890, 0.2516, 0.2999

Triad

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



30.3890, 0.2616, 0.3289



30.3890, 0.3060, 0.2824



30.3890, 0.3711, 0.3756

Complementary

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



30.3890, 0.2616, 0.3289



17.5129, 0.4015, 0.3292

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.



30.3890, 0.3780, 0.3527



30.3890, 0.2616, 0.3289



30.3890, 0.3393, 0.3005

Square

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



30.3890, 0.2616, 0.3289



30.3890, 0.2761, 0.2752



30.3890, 0.3662, 0.3257



30.3890, 0.3483, 0.3873

Rectangle

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



30.3890, 0.2616, 0.3289



30.3890, 0.2533, 0.2858



30.3890, 0.3662, 0.3257



30.3890, 0.3754, 0.3689

Sweetspot

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



30.3902, 0.2616, 0.3289



60.7093, 0.2960, 0.3290



28.8309, 0.3084, 0.4393



13.2443, 0.2941, 0.3290



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.3902, 0.2616, 0.3289



53.9012, 0.2527, 0.3289



21.4840, 0.2542, 0.2770



7.5094, 0.2988, 0.3290



21.5598, 0.2247, 0.3289



0.3855, 0.2247, 0.3288

Inverse Universe

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



17.5129, 0.4015, 0.3292



27.0716, 0.4324, 0.3293



24.0978, 0.3842, 0.3756



6.6462, 0.3284, 0.3290



5.8220, 0.6400, 0.3299



0.1041, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 30.3890, 0.2616, 0.3289 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 30.3890, 0.2616, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

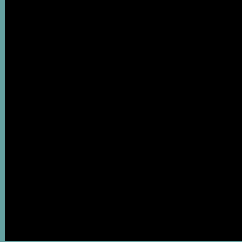
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3890, 0.2616, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 30.3890, 0.2616, 0.3289.



This preview shows how white text looks on a background with the Yxy color 30.3890, 0.2616, 0.3289.

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

30.3890, 0.2616, 0.3289

Protanopia

30.0590, 0.3110, 0.3213

Deuteranopia

30.0632, 0.3078, 0.3020



Tritanopia

30.2776, 0.2556, 0.3074

Trichromacy



Original Color

30.3890, 0.2616, 0.3289

Protanomaly

29.7623, 0.2898, 0.3225

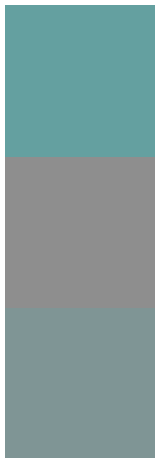
Deuteranomaly

29.6556, 0.2882, 0.3099

Tritanomaly

30.4111, 0.2579, 0.3155

Monochromacy



Original Color

30.3890, 0.2616, 0.3289

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.1768, 0.2910, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3890, 0.2616, 0.3289 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, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(100, 160, 160)  
}
```

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, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 160, 160) }
```

Border

The CSS property to change the border of an element to Yxy 30.3890, 0.2616, 0.3289 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, 160, 160) }
```

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

```
.border{ border-color:rgb(100, 160, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 160, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(100, 160,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3890, 0.2616, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 160, 160) }
```

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

```
.background{ background-color: rgb(100,  
160, 160) }
```

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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