

Converting Colors

$Y_{xy}(35.0471, 0.2361, 0.2931)$

Have a look what the booklet for
Yxy(35.0471, 0.2361, 0.2931)
contains.

Yxy(35.0471, 0.2361, 0.2931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.0471, 0.2361, 0.2931)

Conversions

Conversions Part 1

Format	Color
Hex	57ABC2
RGB	87, 171, 194
RGB Percent	34%, 67%, 76%
CMY	0.6586, 0.3294, 0.2393
CMYK	0.55, 0.12, 0.00, 0.24
HSL	193°, 47%, 55%
HSV	193°, 55%, 76%
XYZ	28.2314, 35.0471, 56.2954
YIQ	148.5060, -57.4470, -10.6550

Conversions

Conversions Part 2

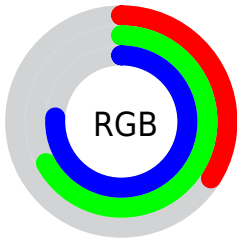
Format	Color
R_{YB}	87, 134, 194
Decimal	5745602
CIE _{Lab}	65.79, -18.92, -19.51
CIE _{LCh}	66, 27.177, 225.889
Yxy	35.0471, 0.2361, 0.2931
Android (android.graphics.Color)	4283935682 (0xFF57ABC2)
YUV	148.5060, 22.4285, -53.9408
Hunter-Lab	59.2006, -18.4785, -14.9400

Details

The Yxy color **35.0471, 0.2361, 0.2931** is a light color, and the websafe version is hex **669999**. The color can be described as light muted azure. A complement of this color would be **23.3105, 0.4557, 0.3596**, and the grayscale version is **29.7646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3775, 0.2502, 0.2995**, and **15.1887, 0.2141, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **32.6868, 0.2260, 0.2854**, and if you desaturate by 10%, it is **37.7105, 0.2478, 0.3006**.

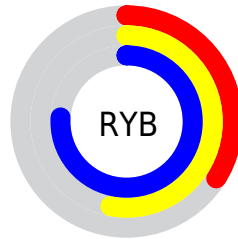
Distribution



Red (34%)

Green (67%)

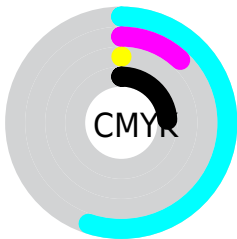
Blue (76%)



Red (34%)

Yellow (53%)

Blue (76%)

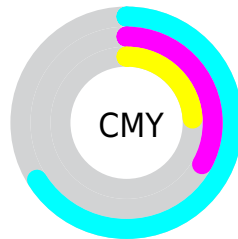


Cyan (55%)

Magenta (12%)

Yellow (0%)

Black (24%)



Cyan (66%)


Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0471, 0.2361, 0.2931 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 35.0471, 0.2361, 0.2931 by changing the saturation by 10% instead.


 35.0471, 0.2361,
0.2931

 35.0471, 0.2361,
0.2931


324.7762, 0.2750,
0.3127


 23.6992, 0.2263,
0.2877


 67.5587, 0.2503,
0.3006


 15.1106, 0.2137,
0.2805


 89.4912, 0.2556,
0.3033

 8.8970, 0.1970,
0.2704


 115.7206, 0.2601,
0.3055

 4.6741, 0.1740,
0.2554

 146.6314, 0.2640,
0.3074

 2.0573, 0.1408,
0.2313

182.6080, 0.2673,
0.3090

 0.6405, 0.0443,
0.1930

224.0347, 0.2702,

 0.0000, 0.0000,

0.3104

0.0000

271.2960, 0.2727,
0.3116

■ 35.0471, 0.2361,
0.2931

■ 35.0471, 0.2361,
0.2931

■ 32.6868, 0.2260,
0.2854

■ 37.7105, 0.2478,
0.3006

■ 30.6046, 0.2177,
0.2775

■ 40.6918, 0.2609,
0.3077

■ 28.7775, 0.2113,
0.2697

■ 44.0094, 0.2750,
0.3144

■ 27.1761, 0.2068,
0.2619

■ 47.6790, 0.2897,
0.3206

■ 26.4473, 0.2050,
0.2581

■ 51.7151, 0.3049,
0.3263

■ 56.1314, 0.3202,
0.3315

■ 60.9410, 0.3353,
0.3361

■ 66.1560, 0.3502,
0.3402

■ 70.5098, 0.3594,
0.3441

Harmonies

Analogous

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



35.0471, 0.2494, 0.3306



35.0471, 0.2361, 0.2931



35.0471, 0.2415, 0.2689

Triad

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



35.0471, 0.2361, 0.2931



35.0471, 0.3441, 0.2916



35.0471, 0.3595, 0.4032

Complementary

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



35.0471, 0.2361, 0.2931



23.3105, 0.4557, 0.3596

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.



35.0471, 0.3880, 0.3860



35.0471, 0.2361, 0.2931



35.0471, 0.3796, 0.3222

Square

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



35.0471, 0.2361, 0.2931



35.0471, 0.3015, 0.2699



35.0471, 0.3959, 0.3561



35.0471, 0.3195, 0.3987

Rectangle

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



35.0471, 0.2361, 0.2931



35.0471, 0.2550, 0.2621



35.0471, 0.3959, 0.3561



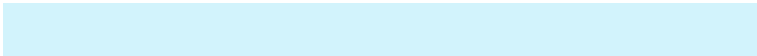
35.0471, 0.3708, 0.3995

Sweetspot

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



35.0484, 0.2361, 0.2931



84.9296, 0.2865, 0.3193



41.6896, 0.2928, 0.4704



18.2947, 0.2835, 0.3180



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



35.0484, 0.2361, 0.2931



58.4770, 0.2242, 0.2839



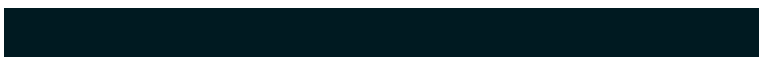
19.1468, 0.2179, 0.2057



11.0493, 0.2984, 0.3239



17.5184, 0.2053, 0.2591



0.8507, 0.2101, 0.2764

Inverse Universe

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



21.2306, 0.3470, 0.2232



32.4005, 0.3569, 0.2061



37.9570, 0.4131, 0.4254



10.2093, 0.3170, 0.3111



9.0507, 0.3833, 0.1885



0.4005, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 35.0471, 0.2361, 0.2931 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 35.0471, 0.2361, 0.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

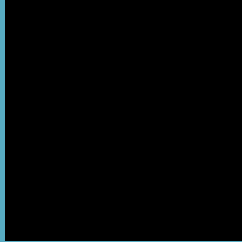
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0471, 0.2361, 0.2931

Background



This preview shows how black text looks on a background with the Yxy color 35.0471, 0.2361, 0.2931.



This preview shows how white text looks on a background with the Yxy color 35.0471, 0.2361, 0.2931.

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

35.0471, 0.2361, 0.2931

Protanopia

34.8265, 0.2860, 0.2903

Deuteranopia

34.7767, 0.2774, 0.2718



Tritanopia

34.9350, 0.2393, 0.3065

Trichromacy



Original Color

35.0471, 0.2361, 0.2931

Protanomaly

34.5711, 0.2647, 0.2916

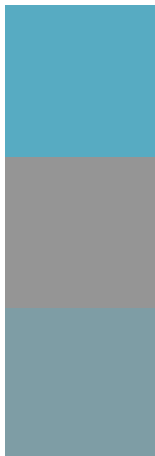
Deuteranomaly

34.2211, 0.2589, 0.2776

Tritanomaly

35.1105, 0.2381, 0.3020

Monochromacy



Original Color

35.0471, 0.2361, 0.2931

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.2662, 0.2776, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0471, 0.2361, 0.2931 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(87, 171, 194)` looks like.

```
.text, #text, p{  
    color:rgb(87, 171, 194)  
}
```

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(87, 171, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 171, 194) }
```

Border

The CSS property to change the border of an element to Yxy 35.0471, 0.2361, 0.2931 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(87, 171, 194) }
```

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

```
.border{ border-color:rgb(87, 171, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 171, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 171, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 171, 194);  
box-shadow:4px 4px 4px 4px rgb(87, 171,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0471, 0.2361, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 171, 194) }
```

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

```
.background{ background-color: rgb(87, 171,  
194) }
```

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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