

Converting Colors

$Yxy(30.5862, 0.2357, 0.2627)$

Have a look what the booklet for
Yxy(30.5862, 0.2357, 0.2627)
contains.

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Color

Yxy(30.6098, 0.2355, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	649CC7
RGB	100, 156, 199
RGB Percent	39%, 61%, 78%
CMY	0.6080, 0.3882, 0.2195
CMYK	0.50, 0.22, 0.00, 0.22
HSL	206°, 47%, 59%
HSV	206°, 50%, 78%
XYZ	27.4509, 30.6098, 58.5037
YIQ	144.1580, -47.1790, 1.5010

Conversions

Conversions Part 2

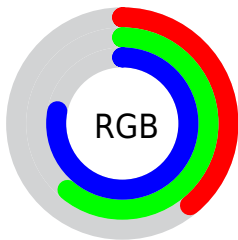
Format	Color
R _Y B	100, 136, 199
Decimal	6593735
CIE Lab	62.18, -6.47, -27.81
CIE LCh	62, 28.548, 256.910
Yxy	30.6098, 0.2355, 0.2626
Android (android.graphics.Color)	4284783815 (0xFF649CC7)
YUV	144.1580, 27.0371, -38.7266
Hunter-Lab	55.3261, -8.2552, -23.9669

Details

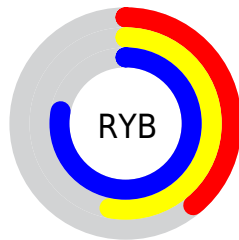
The Yxy color **30.6098, 0.2355, 0.2626** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **32.7005, 0.4204, 0.3854**, and the grayscale version is **27.8578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3811, 0.2508, 0.2763**, and **12.6397, 0.2122, 0.2412** is the 20% darker color. If you saturate the color by 10%, you get **26.8139, 0.2215, 0.2463**, and if you desaturate by 10%, it is **34.8914, 0.2506, 0.2781**.

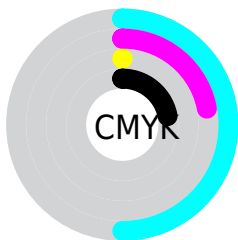
Distribution



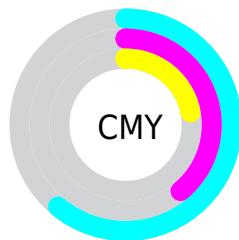
- Red (39%)
- Green (61%)
- Blue (78%)



- Red (39%)
- Yellow (53%)
- Blue (78%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (22%)





- Cyan (61%)
- Magenta (39%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6098, 0.2355, 0.2626 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 30.6098, 0.2355, 0.2626 by changing the saturation by 10% instead.


 30.6098, 0.2355,
0.2626


 30.6098, 0.2355,
0.2626


 304.7366, 0.2755,
0.2978

 20.3019, 0.2252,
0.2533


 60.6252, 0.2503,
0.2758


 12.6147, 0.2119,
0.2411


 81.1015, 0.2558,
0.2806


 7.1638, 0.1941,
0.2245


 105.7361, 0.2604,
0.2847

 3.5647, 0.1694,
0.2009

 134.9133, 0.2643,
0.2881

 1.4332, 0.1336,
0.1656

 169.0176, 0.2677,
0.2910

 0.2410, 0.0228,
0.0770

 208.4333, 0.2706,

 0.0000, 0.0000,

0.2936

0.0000

253.5448, 0.2732,
0.2958

■ 30.6098, 0.2355,
0.2626

■ 30.6098, 0.2355,
0.2626

■ 26.8139, 0.2215,
0.2463

■ 34.8914, 0.2506,
0.2781

■ 23.4755, 0.2090,
0.2295

■ 39.6780, 0.2662,
0.2927

■ 20.5680, 0.1983,
0.2126

■ 44.9916, 0.2820,
0.3061

■ 18.0591, 0.1899,
0.1959

■ 50.8517, 0.2977,
0.3183

■ 15.8930, 0.1834,
0.1799

■ 57.2766, 0.3131,
0.3292

■ 15.8460, 0.1832,
0.1795

■ 64.2837, 0.3278,
0.3390

■ 71.8897, 0.3419,
0.3477

■ 79.3095, 0.3520,
0.3556

■ 84.1046, 0.3502,
0.3640

Harmonies

Analogous

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



30.6098, 0.2290, 0.2881



30.6098, 0.2355, 0.2626



30.6098, 0.2611, 0.2553

Triad

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



30.6098, 0.2355, 0.2626



30.6098, 0.3873, 0.3225



30.6098, 0.3182, 0.4055

Complementary

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



30.6098, 0.2355, 0.2626



32.7005, 0.4204, 0.3854

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.



30.6098, 0.3623, 0.4109



30.6098, 0.2355, 0.2626



30.6098, 0.4043, 0.3593

Square

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



30.6098, 0.2355, 0.2626



30.6098, 0.3486, 0.2891



30.6098, 0.3945, 0.3921



30.6098, 0.2746, 0.3740

Rectangle

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



30.6098, 0.2355, 0.2626



30.6098, 0.2870, 0.2601



30.6098, 0.3945, 0.3921



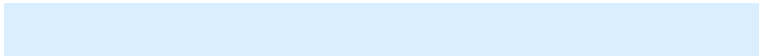
30.6098, 0.3335, 0.4104

Sweetspot

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



30.6109, 0.2355, 0.2626



83.3108, 0.2892, 0.3118



45.5414, 0.2803, 0.4167



17.3691, 0.2858, 0.3091



0.0000, 0.0000, 0.0000



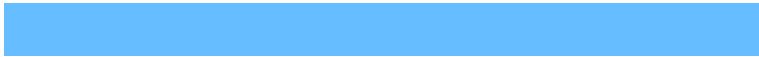
21.4041, 0.3127, 0.3290

Same Dimension

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



30.6109, 0.2355, 0.2626



46.2538, 0.2200, 0.2444



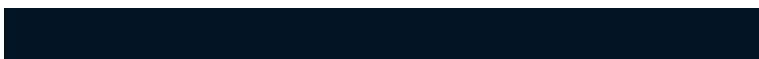
17.2570, 0.2203, 0.1830



11.2666, 0.2983, 0.3187



10.3645, 0.1838, 0.1817



0.6329, 0.1932, 0.2154

Inverse Universe

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



23.6523, 0.3708, 0.2571



34.4181, 0.3905, 0.2438



50.9446, 0.3887, 0.4420



10.7358, 0.3203, 0.3160



8.5863, 0.4665, 0.2344



0.4209, 0.4282, 0.2132

Previews

White Background



This preview shows how the Yxy color 30.6098, 0.2355, 0.2626 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 30.6098, 0.2355, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

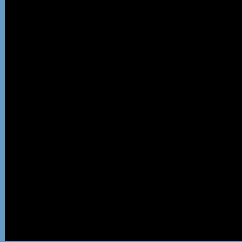
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

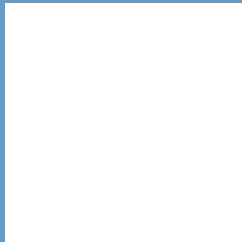
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6098, 0.2355, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 30.6098, 0.2355, 0.2626.

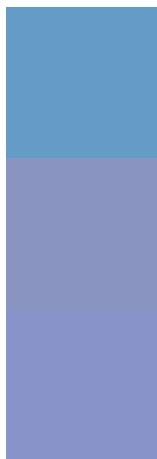


This preview shows how white text looks on a background with the Yxy color 30.6098, 0.2355, 0.2626.

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

30.6098, 0.2355, 0.2626

Protanopia

30.4333, 0.2650, 0.2627

Deuteranopia

30.3187, 0.2574, 0.2507



Tritanopia

30.8210, 0.2472, 0.3073

Trichromacy



Original Color

30.6098, 0.2355, 0.2626

Protanomaly

30.3584, 0.2530, 0.2628

Deuteranomaly

30.1938, 0.2487, 0.2546

Tritanomaly

30.6481, 0.2429, 0.2900

Monochromacy



Original Color

30.6098, 0.2355, 0.2626

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4493, 0.2790, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6098, 0.2355, 0.2626 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, 156, 199)` looks like.

```
.text, #text, p{  
    color:rgb(100, 156, 199)  
}
```

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, 156, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 156, 199) }
```

Border

The CSS property to change the border of an element to Yxy 30.6098, 0.2355, 0.2626 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, 156, 199) }
```

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

```
.border{ border-color:rgb(100, 156, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 156, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 156, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 156, 199);  
box-shadow:4px 4px 4px 4px rgb(100, 156,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6098, 0.2355, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 156, 199) }
```

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

```
.background{ background-color: rgb(100,  
156, 199) }
```

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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