

Converting Colors

$Y_{xy}(31.4077, 0.2353, 0.2529)$

Have a look what the booklet for
Yxy(31.4077, 0.2353, 0.2529)
contains.

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Color

Yxy(31.4077, 0.2353, 0.2529)

Conversions

Conversions Part 1

Format	Color
Hex	6B9CCF
RGB	107, 156, 207
RGB Percent	42%, 61%, 81%
CMY	0.5801, 0.3883, 0.1882
CMYK	0.48, 0.25, 0.00, 0.19
HSL	211°, 51%, 62%
HSV	211°, 48%, 81%
XYZ	29.2220, 31.4077, 63.5605
YIQ	147.1630, -45.5750, 5.4730

Conversions

Conversions Part 2

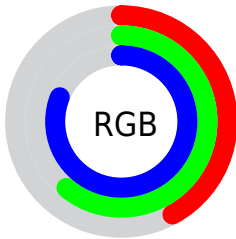
Format	Color
R _Y B	107, 140, 207
Decimal	7052495
CIE Lab	62.85, -2.41, -31.20
CIE LCh	63, 31.294, 265.586
Yxy	31.4077, 0.2353, 0.2529
Android (android.graphics.Color)	4285242575 (0xFF6B9CCF)
YUV	147.1630, 29.4996, -35.2230
Hunter-Lab	56.0426, -5.0003, -28.0138

Details

The Yxy color **31.4077, 0.2353, 0.2529** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.8189, 0.4116, 0.3931**, and the grayscale version is **29.1454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0997, 0.2546, 0.2768**, and **13.0483, 0.2124, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **26.8806, 0.2200, 0.2335**, and if you desaturate by 10%, it is **36.5530, 0.2514, 0.2713**.

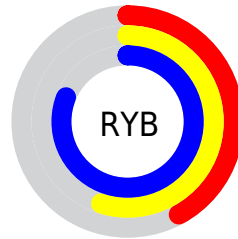
Distribution



Red (42%)

Green (61%)

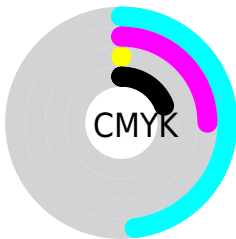
Blue (81%)



Red (42%)

Yellow (55%)

Blue (81%)

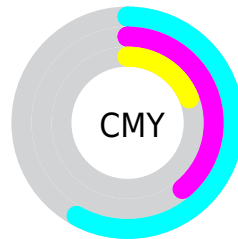


Cyan (48%)

Magenta (25%)

Yellow (0%)

Black (19%)



Cyan (58%)

Magenta (39%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4077, 0.2353, 0.2529 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 31.4077, 0.2353, 0.2529 by changing the saturation by 10% instead.

■ 31.4077, 0.2353,
0.2529

■ 31.4077, 0.2353,
0.2529

■ 308.4122, 0.2753,
0.2925

■ 20.9095, 0.2251,
0.2427

■ 61.8814, 0.2500,
0.2676

■ 13.0579, 0.2120,
0.2295

■ 82.6257, 0.2555,
0.2730

■ 7.4684, 0.1945,
0.2118

■ 107.5541, 0.2601,
0.2776

■ 3.7567, 0.1704,
0.1873

■ 137.0510, 0.2640,
0.2814

■ 1.5384, 0.1361,
0.1518

■ 171.5009, 0.2674,
0.2848

■ 0.3155, 0.0592,
0.0774

■ 211.2882, 0.2704,

■ 0.0000, 0.0000,

0.2877

0.0000

256.7971, 0.2730,
0.2902

■ 31.4077, 0.2353,
0.2529

■ 31.4077, 0.2353,
0.2529

■ 26.8806, 0.2200,
0.2335

■ 36.5530, 0.2514,
0.2713

■ 22.9381, 0.2061,
0.2136

■ 42.3407, 0.2678,
0.2884

■ 19.5480, 0.1941,
0.1937

■ 48.7975, 0.2841,
0.3042

■ 16.6721, 0.1844,
0.1743

■ 55.9474, 0.3000,
0.3184

■ 14.2568, 0.1770,
0.1560

■ 63.8133, 0.3153,
0.3311

■ 13.8742, 0.1758,
0.1530

■ 72.4167, 0.3298,
0.3424

■ 81.7781, 0.3434,
0.3523

■ 88.4068, 0.3437,
0.3624

■ 94.8313, 0.3418,
0.3724

Harmonies

Analogous

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



31.4077, 0.2222, 0.2744



31.4077, 0.2353, 0.2529



31.4077, 0.2680, 0.2509

Triad

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



31.4077, 0.2353, 0.2529



31.4077, 0.4021, 0.3330



31.4077, 0.3040, 0.4054

Complementary

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



31.4077, 0.2353, 0.2529



38.8189, 0.4116, 0.3931

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.



31.4077, 0.3531, 0.4196



31.4077, 0.2353, 0.2529



31.4077, 0.4121, 0.3724

Square

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



31.4077, 0.2353, 0.2529



31.4077, 0.3655, 0.2954



31.4077, 0.3932, 0.4050



31.4077, 0.2595, 0.3644

Rectangle

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



31.4077, 0.2353, 0.2529



31.4077, 0.2985, 0.2594



31.4077, 0.3932, 0.4050



31.4077, 0.3205, 0.4136

Sweetspot

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



31.4089, 0.2353, 0.2529



82.7632, 0.2907, 0.3102



50.1978, 0.2770, 0.4033



17.1897, 0.2872, 0.3070



0.0000, 0.0000, 0.0000



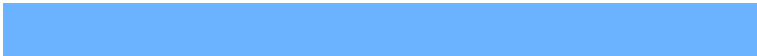
21.4041, 0.3127, 0.3290

Same Dimension

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



31.4089, 0.2353, 0.2529



42.7869, 0.2194, 0.2327



18.1678, 0.2213, 0.1779



12.3593, 0.2982, 0.3168



8.9287, 0.1765, 0.1554



0.6579, 0.1859, 0.1892

Inverse Universe

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



26.1986, 0.3785, 0.2680



35.0706, 0.4005, 0.2568



58.9616, 0.3833, 0.4456



11.9033, 0.3215, 0.3177



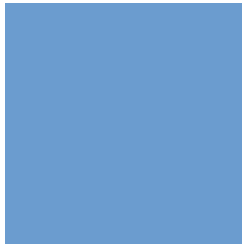
8.9726, 0.4989, 0.2522



0.5177, 0.4577, 0.2295

Previews

White Background



This preview shows how the Yxy color 31.4077, 0.2353, 0.2529 looks on a white background.

Color Contrast Check

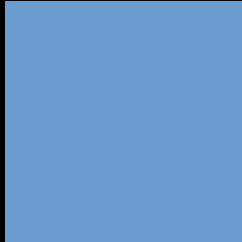
Large Text (above 18pt) WCAG AA × Fail

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 31.4077, 0.2353, 0.2529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

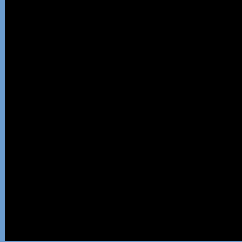
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

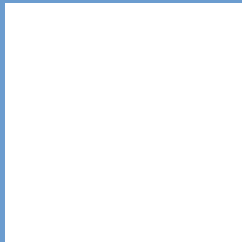
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.4077, 0.2353, 0.2529

Background



This preview shows how black text looks on a background with the Yxy color 31.4077, 0.2353, 0.2529.

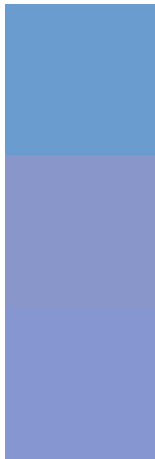


This preview shows how white text looks on a background with the Yxy color 31.4077, 0.2353, 0.2529.

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

31.4077, 0.2353, 0.2529

Protanopia

31.3953, 0.2581, 0.2541

Deuteranopia

31.3533, 0.2510, 0.2462



Tritanopia

31.4772, 0.2500, 0.3075

Trichromacy



Original Color

31.4077, 0.2353, 0.2529

Protanomaly

31.2517, 0.2488, 0.2530

Deuteranomaly

31.2956, 0.2448, 0.2478

Tritanomaly

31.4962, 0.2444, 0.2861

Monochromacy



Original Color

31.4077, 0.2353, 0.2529

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.5828, 0.2787, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4077, 0.2353, 0.2529 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(107, 156, 207)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 207)  
}
```

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(107, 156, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 207) }
```

Border

The CSS property to change the border of an element to Yxy 31.4077, 0.2353, 0.2529 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(107, 156, 207) }
```

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

```
.border{ border-color:rgb(107, 156, 207) }
```

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

Here you see how a box with a 4 pixel rgb(107, 156, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 207);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4077, 0.2353, 0.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 207) }
```

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

```
.background{ background-color: rgb(107,  
156, 207) }
```

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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