

Converting Colors

$Y_{xy}(29.9649, 0.2264, 0.2319)$

Have a look what the booklet for
Yxy(29.9649, 0.2264, 0.2319)
contains.

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Color

Yxy(30.0860, 0.2266, 0.2327)

Conversions

Conversions Part 1

Format	Color
Hex	6897D9
RGB	104, 151, 217
RGB Percent	41%, 59%, 85%
CMY	0.5922, 0.4078, 0.1490
CMYK	0.52, 0.30, 0.00, 0.15
HSL	215°, 60%, 63%
HSV	215°, 52%, 85%
XYZ	29.2973, 30.0860, 69.9076
YIQ	144.4710, -49.1980, 10.5620

Conversions

Conversions Part 2

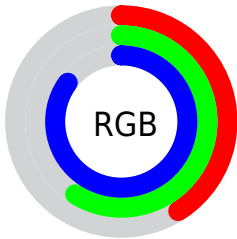
Format	Color
RYB	104, 137, 217
Decimal	6854617
CIELab	61.73, 2.72, -38.52
CIELCh	62, 38.619, 274.035
Yxy	30.0860, 0.2266, 0.2327
Android (android.graphics.Color)	4285044697 (0xFF6897D9)
YUV	144.4710, 35.7568, -35.4931
Hunter-Lab	54.8507, -0.6468, -37.1700

Details

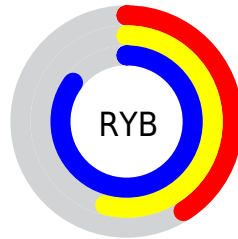
The Yxy color **30.0860, 0.2266, 0.2327** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.4885, 0.4163, 0.4072**, and the grayscale version is **27.9562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4597, 0.2526, 0.2706**, and **12.2366, 0.2005, 0.2032** is the 20% darker color. If you saturate the color by 10%, you get **25.0899, 0.2107, 0.2101**, and if you desaturate by 10%, it is **35.8566, 0.2434, 0.2545**.

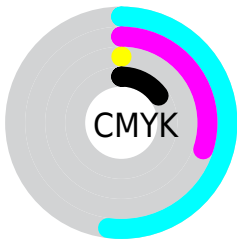
Distribution



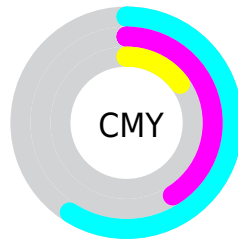
- Red (41%)
- Green (59%)
- Blue (85%)



- Red (41%)
- Yellow (54%)
- Blue (85%)



- Cyan (52%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)




- Cyan (59%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0860, 0.2266, 0.2327 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 30.0860, 0.2266, 0.2327 by changing the saturation by 10% instead.


 30.0860, 0.2266,
0.2327


 30.0860, 0.2266,
0.2327


302.3051, 0.2711,
0.2820


 19.9039, 0.2153,
0.2203


 59.7982, 0.2430,
0.2507


 12.3252, 0.2009,
0.2046


 80.0970, 0.2490,
0.2575

 6.9655, 0.1819,
0.1840


 104.5368, 0.2542,
0.2632

 3.4406, 0.1562,
0.1564

 133.5021, 0.2586,
0.2681

 1.3658, 0.1206,
0.1186

167.3771, 0.2623,
0.2723

 0.1913, 0.0504,
0.0388

206.5464, 0.2656,

 0.0000, 0.0000,

0.2759

0.0000

251.3943, 0.2685,
0.2792

■ 30.0860, 0.2266,
0.2327

■ 30.0860, 0.2266,
0.2327

■ 25.0899, 0.2107,
0.2101

■ 35.8566, 0.2434,
0.2545

■ 20.8252, 0.1964,
0.1873

■ 42.4350, 0.2605,
0.2749

■ 17.2482, 0.1844,
0.1651

■ 49.8563, 0.2775,
0.2937


■ 14.3077, 0.1750,
0.1443

■ 58.1522, 0.2939,
0.3108


■ 12.3722, 0.1692,
0.1292

■ 67.3527, 0.3096,
0.3260

 77.4861, 0.3243,
0.3396

 88.4130, 0.3373,
0.3516

 96.1228, 0.3355,
0.3636

 97.7897, 0.3352,
0.3661

Harmonies

Analogous

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



30.0860, 0.2041, 0.2508



30.0860, 0.2266, 0.2327



30.0860, 0.2719, 0.2372

Triad

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



30.0860, 0.2266, 0.2327



30.0860, 0.4321, 0.3458



30.0860, 0.2839, 0.4148

Complementary

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



30.0860, 0.2266, 0.2327



44.4885, 0.4163, 0.4072

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.



30.0860, 0.3446, 0.4428



30.0860, 0.2266, 0.2327



30.0860, 0.4330, 0.3930

Square

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



30.0860, 0.2266, 0.2327



30.0860, 0.3943, 0.2993



30.0860, 0.3996, 0.4308



30.0860, 0.2340, 0.3552

Rectangle

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



30.0860, 0.2266, 0.2327



30.0860, 0.3119, 0.2511



30.0860, 0.3996, 0.4308



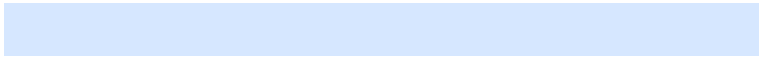
30.0860, 0.3037, 0.4287

Sweetspot

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



30.0871, 0.2266, 0.2327



78.7975, 0.2873, 0.3041



55.4658, 0.2699, 0.3964



16.3349, 0.2839, 0.3005



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.



30.0871, 0.2266, 0.2327



35.1776, 0.2085, 0.2067



18.4428, 0.2198, 0.1666



13.5030, 0.2982, 0.3150



7.6874, 0.1700, 0.1319



0.6656, 0.1789, 0.1641

Inverse Universe

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



26.8823, 0.3977, 0.2731



31.9080, 0.4279, 0.2640



63.9736, 0.3805, 0.4576



13.1410, 0.3227, 0.3193



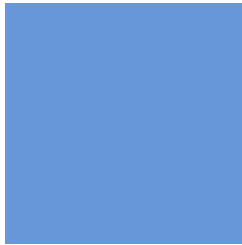
9.3998, 0.5301, 0.2694



0.6259, 0.4880, 0.2462

Previews

White Background



This preview shows how the Yxy color 30.0860, 0.2266, 0.2327 looks on a white background.

Color Contrast Check

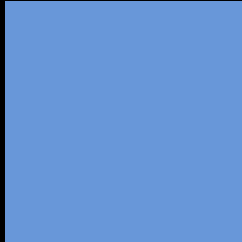
Large Text (above 18pt) WCAG AA × Fail

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 30.0860, 0.2266, 0.2327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

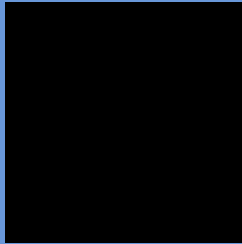
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

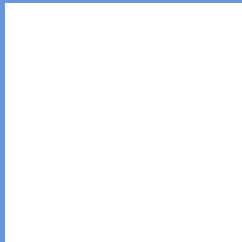
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0860, 0.2266, 0.2327

Background



This preview shows how black text looks on a background with the Yxy color 30.0860, 0.2266, 0.2327.

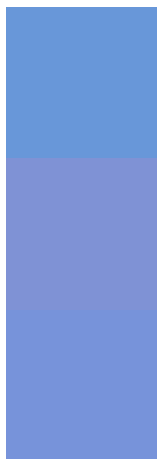


This preview shows how white text looks on a background with the Yxy color 30.0860, 0.2266, 0.2327.

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

30.0860, 0.2266, 0.2327

Protanopia

29.8739, 0.2425, 0.2334

Deuteranopia

29.8513, 0.2343, 0.2278



Tritanopia

30.2440, 0.2464, 0.3087

Trichromacy



Original Color

30.0860, 0.2266, 0.2327

Protanomaly

29.9568, 0.2368, 0.2339

Deuteranomaly

29.8192, 0.2313, 0.2285

Tritanomaly

30.1245, 0.2386, 0.2792

Monochromacy



Original Color

30.0860, 0.2266, 0.2327

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4748, 0.2741, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0860, 0.2266, 0.2327 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(104, 151, 217)` looks like.

```
.text, #text, p{  
    color:rgb(104, 151, 217)  
}
```

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(104, 151, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 151, 217) }
```

Border

The CSS property to change the border of an element to Yxy 30.0860, 0.2266, 0.2327 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(104, 151, 217) }
```

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

```
.border{ border-color:rgb(104, 151, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 151, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 151, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 151, 217);  
box-shadow:4px 4px 4px 4px rgb(104, 151,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0860, 0.2266, 0.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 151, 217) }
```

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

```
.background{ background-color: rgb(104,  
151, 217) }
```

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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