

Converting Colors

$Y_{xy}(30.1899, 0.2283, 0.2334)$

Have a look what the booklet for
Yxy(30.1899, 0.2283, 0.2334)
contains.

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Color

Yxy(30.2688, 0.2284, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	6B97D9
RGB	107, 151, 217
RGB Percent	42%, 59%, 85%
CMY	0.5802, 0.4079, 0.1490
CMYK	0.51, 0.30, 0.00, 0.15
HSL	216°, 59%, 64%
HSV	216°, 51%, 85%
XYZ	29.6585, 30.2688, 69.9260
YIQ	145.3680, -47.4100, 11.1980

Conversions

Conversions Part 2

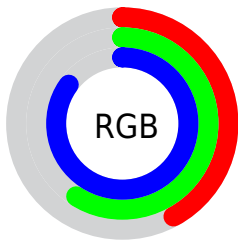
Format	Color
RYB	107, 138, 217
Decimal	7051225
CIELab	61.89, 3.42, -38.27
CIELCh	62, 38.421, 275.111
Yxy	30.2688, 0.2284, 0.2331
Android (android.graphics.Color)	4285241305 (0xFF6B97D9)
YUV	145.3680, 35.3146, -33.6487
Hunter-Lab	55.0171, -0.0545, -36.8448

Details

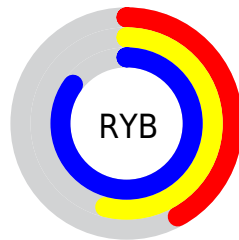
The Yxy color **30.2688, 0.2284, 0.2331** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.7239, 0.4118, 0.4073**, and the grayscale version is **28.3453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7752, 0.2543, 0.2708**, and **12.3514, 0.2030, 0.2039** is the 20% darker color. If you saturate the color by 10%, you get **25.1248, 0.2121, 0.2100**, and if you desaturate by 10%, it is **36.2158, 0.2455, 0.2553**.

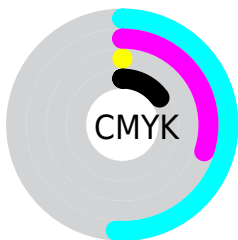
Distribution



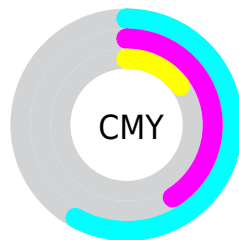
- Red (42%)
- Green (59%)
- Blue (85%)



- Red (42%)
- Yellow (54%)
- Blue (85%)



- Cyan (51%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)



- Cyan (58%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2688, 0.2284, 0.2331 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 30.2688, 0.2284, 0.2331 by changing the saturation by 10% instead.

■ 30.2688, 0.2284,
0.2331

■ 30.2688, 0.2284,
0.2331

■ 303.1554, 0.2720,
0.2821

■ 20.0427, 0.2173,
0.2208

■ 60.0870, 0.2444,
0.2510

■ 12.4261, 0.2032,
0.2052

■ 80.4479, 0.2504,
0.2577

■ 7.0346, 0.1845,
0.1848

■ 104.9559, 0.2554,
0.2634

■ 3.4837, 0.1592,
0.1574

■ 133.9953, 0.2597,
0.2682

■ 1.3892, 0.1240,
0.1199

■ 167.9506, 0.2634,
0.2724

■ 0.2087, 0.0566,
0.0419

■ 207.2061, 0.2667,

■ 0.0000, 0.0000,

0.2761

0.0000

252.1462, 0.2695,
0.2793

■ 30.2688, 0.2284,
0.2331

■ 30.2688, 0.2284,
0.2331

■ 25.1248, 0.2121,
0.2100

■ 36.2158, 0.2455,
0.2553

■ 20.7399, 0.1974,
0.1865

■ 43.0000, 0.2628,
0.2762

■ 17.0698, 0.1848,
0.1637


■ 50.6572, 0.2798,
0.2953


■ 14.0630, 0.1748,
0.1424


■ 59.2200, 0.2962,
0.3126

■ 11.7824, 0.1679,
0.1243

■ 68.7191, 0.3117,
0.3280

 79.1836, 0.3262,
0.3417

 89.8845, 0.3370,
0.3540

 97.7899, 0.3351,
0.3661

Harmonies

Analogous

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



30.2688, 0.2051, 0.2503



30.2688, 0.2284, 0.2331



30.2688, 0.2742, 0.2383

Triad

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



30.2688, 0.2284, 0.2331



30.2688, 0.4319, 0.3475



30.2688, 0.2821, 0.4124

Complementary

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



30.2688, 0.2284, 0.2331



45.7239, 0.4118, 0.4073

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.



30.2688, 0.3422, 0.4417



30.2688, 0.2284, 0.2331



30.2688, 0.4315, 0.3942

Square

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



30.2688, 0.2284, 0.2331



30.2688, 0.3956, 0.3011



30.2688, 0.3973, 0.4311



30.2688, 0.2332, 0.3527

Rectangle

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



30.2688, 0.2284, 0.2331



30.2688, 0.3142, 0.2525



30.2688, 0.3973, 0.4311



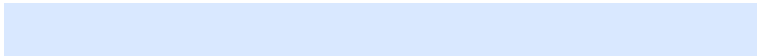
30.2688, 0.3017, 0.4266

Sweetspot

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



30.2699, 0.2284, 0.2331



79.6676, 0.2890, 0.3051



55.7737, 0.2697, 0.3914



16.4935, 0.2855, 0.3014



0.0000, 0.0000, 0.0000



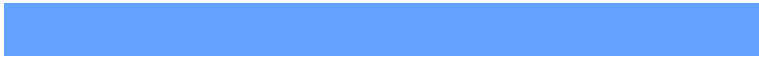
21.4041, 0.3127, 0.3290

Same Dimension

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



30.2699, 0.2284, 0.2331



35.6044, 0.2108, 0.2079



19.3901, 0.2242, 0.1720



13.4670, 0.2981, 0.3146



7.3262, 0.1686, 0.1270



0.6403, 0.1777, 0.1595

Inverse Universe

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



27.5118, 0.3967, 0.2766



32.8643, 0.4257, 0.2679



63.8123, 0.3775, 0.4552



13.1373, 0.3229, 0.3197



9.3633, 0.5368, 0.2731



0.6233, 0.4937, 0.2493

Previews

White Background



This preview shows how the Yxy color 30.2688, 0.2284, 0.2331 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 30.2688, 0.2284, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

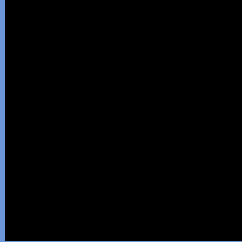
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

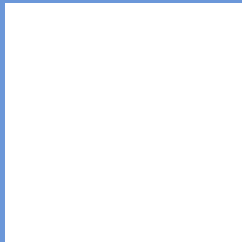
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2688, 0.2284, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 30.2688, 0.2284, 0.2331.

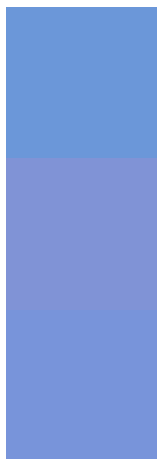


This preview shows how white text looks on a background with the Yxy color 30.2688, 0.2284, 0.2331.

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

30.2688, 0.2284, 0.2331

Protanopia

30.3117, 0.2429, 0.2339

Deuteranopia

30.2348, 0.2352, 0.2295



Tritanopia

30.3955, 0.2482, 0.3088

Trichromacy



Original Color

30.2688, 0.2284, 0.2331

Protanomaly

30.0792, 0.2369, 0.2329

Deuteranomaly

30.2017, 0.2322, 0.2301

Tritanomaly

30.2862, 0.2404, 0.2794

Monochromacy



Original Color

30.2688, 0.2284, 0.2331

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.6330, 0.2759, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2688, 0.2284, 0.2331 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, 151, 217)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 151, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 151, 217) }
```

Border

The CSS property to change the border of an element to Yxy 30.2688, 0.2284, 0.2331 is called "border". The border property can be set on classes, ids or directly on the HTML element.

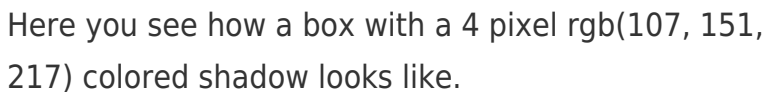
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 151, 217) }
```

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

```
.border{ border-color:rgb(107, 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(107, 151, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 151, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 151, 217); box-shadow:4px 4px 4px 4px rgb(107, 151, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2688, 0.2284, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 151, 217) }
```

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

```
.background{ background-color: rgb(107,  
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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