

Converting Colors

$Y_{xy}(36.0069, 0.2309, 0.2585)$

Have a look what the booklet for
Yxy(36.0069, 0.2309, 0.2585)
contains.

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Color

Yxy(35.8398, 0.2307, 0.2584)

Conversions

Conversions Part 1

Format	Color
Hex	66A8D9
RGB	102, 168, 217
RGB Percent	40%, 66%, 85%
CMY	0.6003, 0.3411, 0.1491
CMYK	0.53, 0.23, 0.00, 0.15
HSL	206°, 60%, 63%
HSV	206°, 53%, 85%
XYZ	31.9978, 35.8398, 70.8613
YIQ	153.8520, -55.0650, 1.2470

Conversions

Conversions Part 2

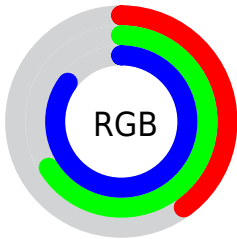
Format	Color
RYB	102, 144, 217
Decimal	6727897
CIELab	66.40, -7.33, -31.25
CIElCh	66, 32.103, 256.796
Yxy	35.8398, 0.2307, 0.2584
Android (android.graphics.Color)	4284917977 (0xFF66A8D9)
YUV	153.8520, 31.1320, -45.4742
Hunter-Lab	59.8664, -9.3600, -28.2726

Details

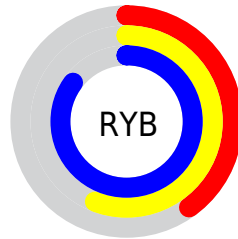
The Yxy color **35.8398, 0.2307, 0.2584** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.8045, 0.4314, 0.3878**, and the grayscale version is **32.1195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3663, 0.2547, 0.2921**, and **15.5308, 0.2074, 0.2368** is the 20% darker color. If you saturate the color by 10%, you get **31.4462, 0.2172, 0.2421**, and if you desaturate by 10%, it is **40.8098, 0.2454, 0.2740**.

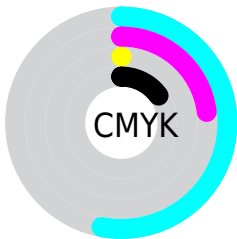
Distribution



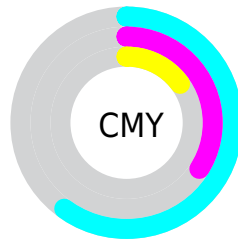
- Red (40%)
- Green (66%)
- Blue (85%)



- Red (40%)
- Yellow (56%)
- Blue (85%)



- Cyan (53%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)



- Cyan (60%)
- Magenta (34%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8398, 0.2307, 0.2584 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 35.8398, 0.2307, 0.2584 by changing the saturation by 10% instead.

■ 35.8398, 0.2307,
0.2584

■ 35.8398, 0.2307,
0.2584

■ 328.2598, 0.2720,
0.2948

■ 24.3105, 0.2205,
0.2491

■ 68.7847, 0.2457,
0.2718

■ 15.5641, 0.2075,
0.2372

■ 90.9691, 0.2513,
0.2768

■ 9.2162, 0.1906,
0.2214

■ 117.4741, 0.2561,
0.2810

■ 4.8825, 0.1678,
0.1997

■ 148.6838, 0.2602,
0.2845

■ 2.1785, 0.1361,
0.1684

■ 184.9829, 0.2637,
0.2876

■ 0.7082, 0.0845,
0.1212

■ 226.7557, 0.2668,

■ 0.0000, 0.0000,

0.2903

0.0000

274.3865, 0.2695,
0.2927

■ 35.8398, 0.2307,
0.2584

■ 35.8398, 0.2307,
0.2584

■ 31.4462, 0.2172,
0.2421

■ 40.8098, 0.2454,
0.2740

■ 27.5936, 0.2054,
0.2255

■ 46.3807, 0.2609,
0.2887

■ 24.2476, 0.1956,
0.2089

■ 52.5801, 0.2767,
0.3023

■ 21.3660, 0.1880,
0.1927

■ 59.4322, 0.2926,
0.3147

■ 19.5846, 0.1838,
0.1817

■ 66.9598, 0.3081,
0.3259

■ 75.1847, 0.3232,
0.3359

■ 84.1272, 0.3375,
0.3448

■ 89.7067, 0.3370,
0.3537

■ 95.3396, 0.3357,
0.3625

Harmonies

Analogous

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



35.8398, 0.2239, 0.2853



35.8398, 0.2307, 0.2584



35.8398, 0.2576, 0.2509

Triad

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



35.8398, 0.2307, 0.2584



35.8398, 0.3922, 0.3217



35.8398, 0.3185, 0.4111

Complementary

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



35.8398, 0.2307, 0.2584



37.8045, 0.4314, 0.3878

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.



35.8398, 0.3655, 0.4163



35.8398, 0.2307, 0.2584



35.8398, 0.4105, 0.3607

Square

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



35.8398, 0.2307, 0.2584



35.8398, 0.3507, 0.2865



35.8398, 0.3999, 0.3957



35.8398, 0.2721, 0.3774

Rectangle

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



35.8398, 0.2307, 0.2584



35.8398, 0.2850, 0.2560



35.8398, 0.3999, 0.3957



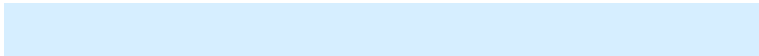
35.8398, 0.3348, 0.4162

Sweetspot

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



35.8411, 0.2307, 0.2584



82.4841, 0.2876, 0.3109



54.6328, 0.2798, 0.4273



17.2123, 0.2843, 0.3084



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.



35.8411, 0.2307, 0.2584



44.4124, 0.2153, 0.2396



19.3116, 0.2135, 0.1737



13.8529, 0.2982, 0.3188



12.0717, 0.1845, 0.1840



0.9516, 0.1917, 0.2099

Inverse Universe

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



27.0653, 0.3756, 0.2515



32.4056, 0.3964, 0.2385



60.5215, 0.3946, 0.4471



13.1763, 0.3202, 0.3157



9.8424, 0.4638, 0.2328



0.6548, 0.4342, 0.2165

Previews

White Background



This preview shows how the Yxy color 35.8398, 0.2307, 0.2584 looks on a white background.

Color Contrast Check

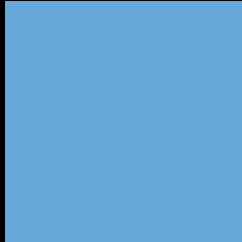
Large Text (above 18pt) WCAG AA × Fail

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 35.8398, 0.2307, 0.2584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

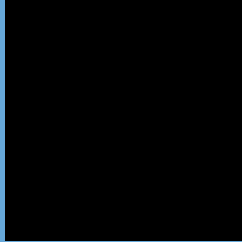
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

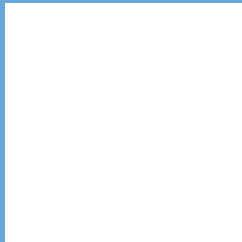
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8398, 0.2307, 0.2584

Background



This preview shows how black text looks on a background with the Yxy color 35.8398, 0.2307, 0.2584.

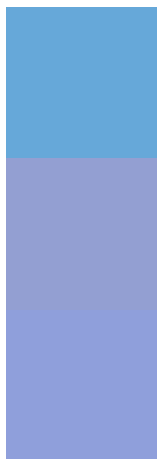


This preview shows how white text looks on a background with the Yxy color 35.8398, 0.2307, 0.2584.

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

35.8398, 0.2307, 0.2584

Protanopia

35.6525, 0.2620, 0.2590

Deuteranopia

35.7504, 0.2531, 0.2478



Tritanopia

35.6991, 0.2426, 0.3068

Trichromacy



Original Color

35.8398, 0.2307, 0.2584

Protanomaly

35.4701, 0.2489, 0.2575

Deuteranomaly

35.4918, 0.2439, 0.2511

Tritanomaly

35.6359, 0.2380, 0.2877

Monochromacy



Original Color

35.8398, 0.2307, 0.2584

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.1215, 0.2761, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8398, 0.2307, 0.2584 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(102, 168, 217)` looks like.

```
.text, #text, p{  
    color:rgb(102, 168, 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(102, 168, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 168, 217) }
```

Border

The CSS property to change the border of an element to Yxy 35.8398, 0.2307, 0.2584 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(102, 168, 217) }
```

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

```
.border{ border-color:rgb(102, 168, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 168, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 168, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 168, 217);  
box-shadow:4px 4px 4px 4px rgb(102, 168,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8398, 0.2307, 0.2584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 168, 217) }
```

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

```
.background{ background-color: rgb(102,  
168, 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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