

Converting Colors

$Y_{xy}(35.3157, 0.2523, 0.2884)$

Have a look what the booklet for
Yxy(35.3157, 0.2523, 0.2884)
contains.

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Color

Yxy(35.3144, 0.2523, 0.2884)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 75A7C2 |
| RGB | 117, 167, 194 |
| RGB Percent | 46%, 65%, 76% |
| CMY | 0.5412, 0.3451, 0.2391 |
| CMYK | 0.40, 0.14, 0.00, 0.24 |
| HSL | 201°, 39%, 61% |
| HSV | 201°, 40%, 76% |
| XYZ | 30.8940, 35.3144, 56.2410 |
| YIQ | 155.1280, -38.4670, -2.2030 |

Conversions

Conversions Part 2

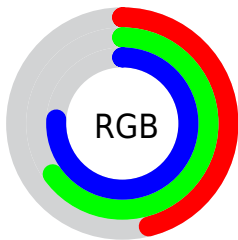
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 117, 147, 194 |
| Decimal | 7710658 |
| CIE Lab | 65.99, -9.64, -19.10 |
| CIE LCh | 66, 21.396, 243.233 |
| Yxy | 35.3144, 0.2523, 0.2884 |
| Android (android.graphics.Color) | 4285900738 (0xFF75A7C2) |
| YUV | 155.1280, 19.1639, -33.4383 |
| Hunter-Lab | 59.4259, -11.1979, -14.5142 |

Details

The Yxy color **35.3144, 0.2523, 0.2884** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **32.7098, 0.3963, 0.3658**, and the grayscale version is **32.7651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9782, 0.2636, 0.2959**, and **15.2449, 0.2347, 0.2757** is the 20% darker color. If you saturate the color by 10%, you get **31.6794, 0.2383, 0.2761**, and if you desaturate by 10%, it is **39.3620, 0.2672, 0.3000**.

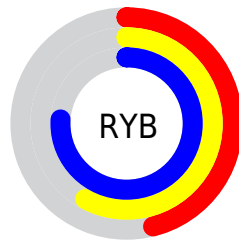
Distribution



Red (46%)

Green (65%)

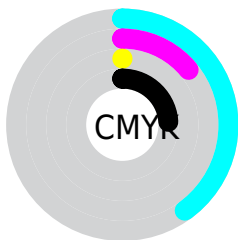
Blue (76%)



Red (46%)

Yellow (58%)

Blue (76%)

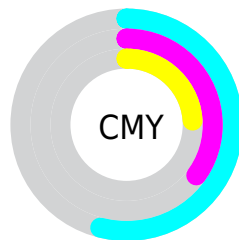


Cyan (40%)

Magenta (14%)

Yellow (0%)

Black (24%)



Cyan (54%)


Magenta (35%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3144, 0.2523, 0.2884 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 35.3144, 0.2523, 0.2884 by changing the saturation by 10% instead.


 35.3144, 0.2523,
0.2884


 35.3144, 0.2523,
0.2884


325.9539, 0.2832,
0.3099

 23.9052, 0.2444,
0.2827


 67.9725, 0.2637,
0.2965

 15.2633, 0.2342,
0.2751


 89.9902, 0.2679,
0.2994

 9.0044, 0.2206,
0.2648


 116.3129, 0.2715,
0.3019

 4.7440, 0.2014,
0.2497

147.3248, 0.2745,
0.3040

 2.0979, 0.1730,
0.2261

183.4105, 0.2771,
0.3058

 0.6634, 0.1104,
0.1852

224.9543, 0.2794,

 0.0000, 0.0000,

0.3073

0.0000

272.3407, 0.2814,
0.3087

■ 35.3144, 0.2523,
0.2884

■ 35.3144, 0.2523,
0.2884

■ 31.6794, 0.2383,
0.2761

■ 39.3620, 0.2672,
0.3000

■ 28.4335, 0.2254,
0.2632

■ 43.8358, 0.2825,
0.3107

■ 25.5567, 0.2141,
0.2498

■ 48.7539, 0.2979,
0.3204

■ 23.0251, 0.2047,
0.2364

■ 54.1317, 0.3132,
0.3293

■ 20.8106, 0.1973,
0.2230

■ 59.9839, 0.3281,
0.3372

■ 18.8624, 0.1917,
0.2099

■ 66.3245, 0.3425,
0.3442

■ 18.8064, 0.1915,
0.2095

■ 73.1669, 0.3563,
0.3504

■ 77.1107, 0.3564,
0.3571

■ 80.7883, 0.3548,
0.3638

Harmonies

Analogous

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



35.3144, 0.2545, 0.3129



35.3144, 0.2523, 0.2884



35.3144, 0.2652, 0.2762

Triad

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



35.3144, 0.2523, 0.2884



35.3144, 0.3548, 0.3130



35.3144, 0.3324, 0.3869

Complementary

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



35.3144, 0.2523, 0.2884



32.7098, 0.3963, 0.3658

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.



35.3144, 0.3609, 0.3836



35.3144, 0.2523, 0.2884



35.3144, 0.3747, 0.3399

Square

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



35.3144, 0.2523, 0.2884



35.3144, 0.3236, 0.2907



35.3144, 0.3768, 0.3657



35.3144, 0.2996, 0.3724

Rectangle

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



35.3144, 0.2523, 0.2884



35.3144, 0.2811, 0.2755



35.3144, 0.3768, 0.3657



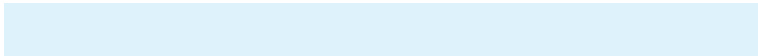
35.3144, 0.3428, 0.3878

Sweetspot

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



35.3158, 0.2523, 0.2884



86.0094, 0.2941, 0.3181



44.3886, 0.2896, 0.4060



18.5706, 0.2920, 0.3168



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.



35.3158, 0.2523, 0.2884



57.9665, 0.2395, 0.2773



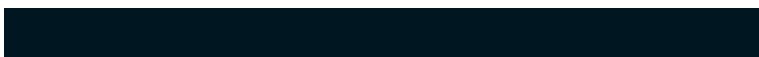
23.2605, 0.2429, 0.2272



10.8144, 0.2984, 0.3207



12.5198, 0.1920, 0.2112



0.6663, 0.2002, 0.2405

Inverse Universe

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



26.9846, 0.3473, 0.2633



41.7359, 0.3584, 0.2490



46.4059, 0.3767, 0.4134



10.1856, 0.3190, 0.3142



8.5461, 0.4328, 0.2158



0.3819, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 35.3144, 0.2523, 0.2884 looks on a white background.

Color Contrast Check

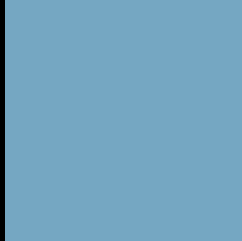
Large Text (above 18pt) WCAG AA × Fail

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 35.3144, 0.2523, 0.2884 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

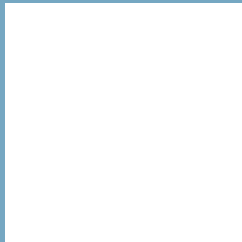
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3144, 0.2523, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 35.3144, 0.2523, 0.2884.



This preview shows how white text looks on a background with the Yxy color 35.3144, 0.2523, 0.2884.

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

35.3144, 0.2523, 0.2884

Protanopia

34.9546, 0.2837, 0.2863

Deuteranopia

34.9306, 0.2799, 0.2734



Tritanopia

35.3722, 0.2578, 0.3073

Trichromacy



Original Color

35.3144, 0.2523, 0.2884

Protanomaly

34.8702, 0.2716, 0.2868

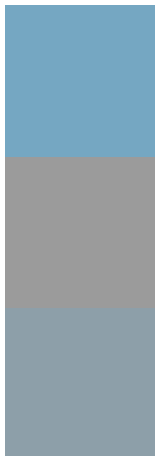
Deuteranomaly

34.8325, 0.2686, 0.2787

Tritanomaly

35.2380, 0.2557, 0.2999

Monochromacy



Original Color

35.3144, 0.2523, 0.2884

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.3236, 0.2875, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3144, 0.2523, 0.2884 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(117, 167, 194)` looks like.

```
.text, #text, p{  
    color:rgb(117, 167, 194)  
}
```

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(117, 167, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 167, 194) }
```

Border

The CSS property to change the border of an element to Yxy 35.3144, 0.2523, 0.2884 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(117, 167, 194) }
```

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

```
.border{ border-color:rgb(117, 167, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 167, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 167, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 167, 194);  
box-shadow:4px 4px 4px 4px rgb(117, 167,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3144, 0.2523, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 167, 194) }
```

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

```
.background{ background-color: rgb(117,  
167, 194) }
```

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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