

Converting Colors

$Y_{xy}(34.6651, 0.2489, 0.2875)$

Have a look what the booklet for
Yxy(34.6651, 0.2489, 0.2875)
contains.

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Color

Yxy(34.6122, 0.2488, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	70A6C2
RGB	112, 166, 194
RGB Percent	44%, 65%, 76%
CMY	0.5607, 0.3490, 0.2392
CMYK	0.42, 0.14, 0.00, 0.24
HSL	200°, 40%, 60%
HSV	200°, 42%, 76%
XYZ	30.0576, 34.6122, 56.1406
YIQ	153.0460, -41.1720, -2.7400

Conversions

Conversions Part 2

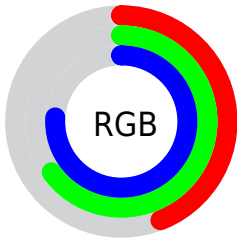
Format	Color
RYB	112, 145, 194
Decimal	7382722
CIELab	65.45, -10.41, -19.95
CIELCh	65, 22.503, 242.449
Yxy	34.6122, 0.2488, 0.2865
Android (android.graphics.Color)	4285572802 (0xFF70A6C2)
YUV	153.0460, 20.1903, -35.9973
Hunter-Lab	58.8321, -11.7597, -15.3951

Details

The Yxy color **34.6122, 0.2488, 0.2865** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **31.4038, 0.4040, 0.3671**, and the grayscale version is **31.8021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8934, 0.2606, 0.2945**, and **14.8276, 0.2300, 0.2729** is the 20% darker color. If you saturate the color by 10%, you get **31.1271, 0.2351, 0.2744**, and if you desaturate by 10%, it is **38.4983, 0.2634, 0.2979**.

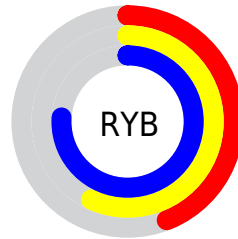
Distribution



Red (44%)

Green (65%)

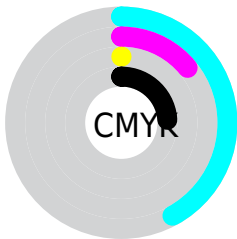
Blue (76%)



Red (44%)

Yellow (57%)

Blue (76%)

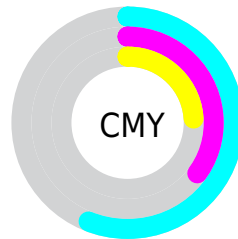


Cyan (42%)

Magenta (14%)

Yellow (0%)

Black (24%)



Cyan (56%)

Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6122, 0.2488, 0.2865 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 34.6122, 0.2488, 0.2865 by changing the saturation by 10% instead.

■ 34.6122, 0.2488,
0.2865

■ 34.6122, 0.2488,
0.2865

■ 322.8533, 0.2815,
0.3091

■ 23.3643, 0.2404,
0.2805

■ 66.8846, 0.2608,
0.2950

■ 14.8627, 0.2296,
0.2725

■ 88.6778, 0.2653,
0.2981

■ 8.7231, 0.2152,
0.2615

■ 114.7550, 0.2691,
0.3007

■ 4.5610, 0.1949,
0.2455

■ 145.5005, 0.2723,
0.3029

■ 1.9921, 0.1649,
0.2205

■ 181.2986, 0.2751,
0.3048

■ 0.6029, 0.0929,
0.1756

■ 222.5339, 0.2775,

■ 0.0000, 0.0000,

0.3064

0.0000

269.5906, 0.2796,
0.3078

■ 34.6122, 0.2488,
0.2865

■ 34.6122, 0.2488,
0.2865

■ 31.1271, 0.2351,
0.2744

■ 38.4983, 0.2634,
0.2979

■ 28.0194, 0.2228,
0.2617

■ 42.7995, 0.2786,
0.3086

■ 25.2686, 0.2121,
0.2487

■ 47.5338, 0.2939,
0.3183

■ 22.8501, 0.2033,
0.2356

■ 52.7168, 0.3093,
0.3271

■ 20.7347, 0.1966,
0.2227

■ 58.3633, 0.3243,
0.3351

■ 19.2650, 0.1925,
0.2128

■ 64.4873, 0.3389,
0.3421

■ 71.1021, 0.3529,
0.3484

■ 75.8284, 0.3569,
0.3547

■ 79.3560, 0.3554,
0.3612

Harmonies

Analogous

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



34.6122, 0.2515, 0.3126



34.6122, 0.2488, 0.2865



34.6122, 0.2620, 0.2734

Triad

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



34.6122, 0.2488, 0.2865



34.6122, 0.3565, 0.3114



34.6122, 0.3343, 0.3906

Complementary

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



34.6122, 0.2488, 0.2865



31.4038, 0.4040, 0.3671

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.



34.6122, 0.3643, 0.3864



34.6122, 0.2488, 0.2865



34.6122, 0.3780, 0.3396

Square

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



34.6122, 0.2488, 0.2865



34.6122, 0.3232, 0.2881



34.6122, 0.3807, 0.3670



34.6122, 0.2996, 0.3757

Rectangle

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



34.6122, 0.2488, 0.2865



34.6122, 0.2785, 0.2725



34.6122, 0.3807, 0.3670



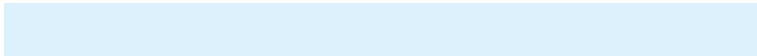
34.6122, 0.3453, 0.3913

Sweetspot

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



34.6135, 0.2488, 0.2865



85.2674, 0.2925, 0.3174



43.9077, 0.2893, 0.4143



18.2385, 0.2890, 0.3153



0.0000, 0.0000, 0.0000



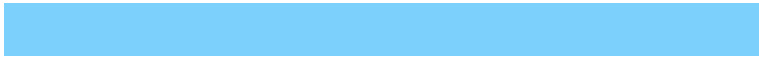
21.4041, 0.3127, 0.3290

Same Dimension

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



34.6135, 0.2488, 0.2865



56.6605, 0.2357, 0.2749



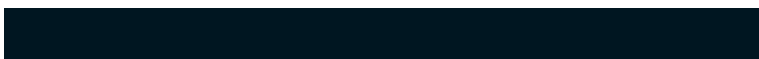
22.1811, 0.2382, 0.2216



10.8302, 0.2984, 0.3210



12.8220, 0.1929, 0.2145



0.6778, 0.2008, 0.2430

Inverse Universe

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



25.8152, 0.3494, 0.2582



39.6971, 0.3611, 0.2433



45.4222, 0.3817, 0.4171



10.1872, 0.3189, 0.3140



8.5766, 0.4292, 0.2138



0.3831, 0.3992, 0.1973

Previews

White Background



This preview shows how the Yxy color 34.6122, 0.2488, 0.2865 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 34.6122, 0.2488, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

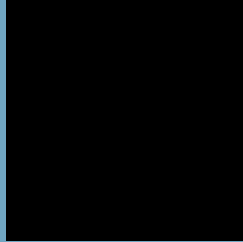
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

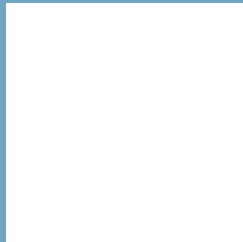
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.6122, 0.2488, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 34.6122, 0.2488, 0.2865.



This preview shows how white text looks on a background with the Yxy color 34.6122, 0.2488, 0.2865.

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

34.6122, 0.2488, 0.2865

Protanopia

34.4202, 0.2818, 0.2846

Deuteranopia

34.2982, 0.2772, 0.2715



Tritanopia

34.6339, 0.2549, 0.3070

Trichromacy



Original Color

34.6122, 0.2488, 0.2865

Protanomaly

34.1777, 0.2682, 0.2849

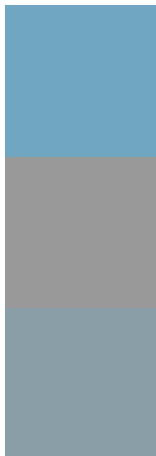
Deuteranomaly

34.2254, 0.2661, 0.2769

Tritanomaly

34.4976, 0.2527, 0.2995

Monochromacy



Original Color

34.6122, 0.2488, 0.2865

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.6841, 0.2856, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6122, 0.2488, 0.2865 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(112, 166, 194)` looks like.

```
.text, #text, p{  
    color:rgb(112, 166, 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(112, 166, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 166, 194) }
```

Border

The CSS property to change the border of an element to Yxy 34.6122, 0.2488, 0.2865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

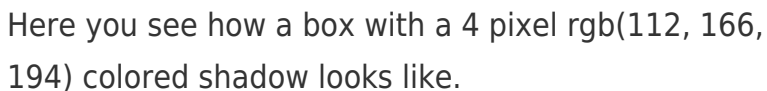
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 166, 194) }
```

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

```
.border{ border-color:rgb(112, 166, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 166, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 166, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 166, 194); box-shadow:4px 4px 4px 4px rgb(112, 166, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6122, 0.2488, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 166, 194) }
```

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

```
.background{ background-color: rgb(112,  
166, 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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