

Converting Colors

$Y_{xy}(34.5549, 0.2451, 0.2821)$

Have a look what the booklet for
Yxy(34.5549, 0.2451, 0.2821)
contains.

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Color

Yxy(34.5549, 0.2451, 0.2821)

Conversions

Conversions Part 1

Format	Color
Hex	6DA6C5
RGB	109, 166, 197
RGB Percent	43%, 65%, 77%
CMY	0.5725, 0.3490, 0.2274
CMYK	0.45, 0.16, 0.00, 0.23
HSL	201°, 43%, 60%
HSV	201°, 45%, 77%
XYZ	30.0227, 34.5549, 57.9141
YIQ	152.4910, -43.9230, -2.4430

Conversions

Conversions Part 2

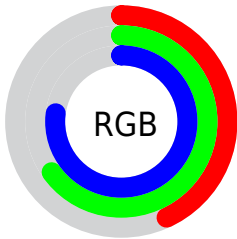
Format	Color
R _Y B	109, 144, 197
Decimal	7186117
CIE Lab	65.40, -10.35, -21.70
CIE LCh	65, 24.040, 244.508
Yxy	34.5549, 0.2451, 0.2821
Android (android.graphics.Color)	4285376197 (0xFF6DA6C5)
YUV	152.4910, 21.9429, -38.1416
Hunter-Lab	58.7834, -11.7049, -17.2648

Details

The Yxy color **34.5549, 0.2451, 0.2821** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **31.7390, 0.4106, 0.3705**, and the grayscale version is **31.5424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7612, 0.2575, 0.2911**, and **14.8021, 0.2252, 0.2668** is the 20% darker color. If you saturate the color by 10%, you get **30.9871, 0.2316, 0.2694**, and if you desaturate by 10%, it is **38.5416, 0.2596, 0.2941**.

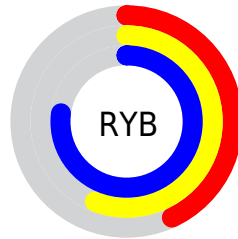
Distribution



Red (43%)

Green (65%)

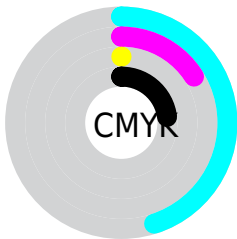
Blue (77%)



Red (43%)

Yellow (56%)

Blue (77%)

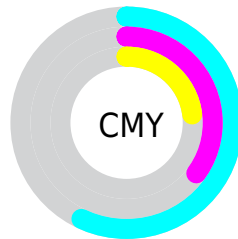


Cyan (45%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (57%)

Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5549, 0.2451, 0.2821 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 34.5549, 0.2451, 0.2821 by changing the saturation by 10% instead.

■ 34.5549, 0.2451,
0.2821

■ 34.5549, 0.2451,
0.2821

■ 322.5993, 0.2797,
0.3070

■ 23.3202, 0.2363,
0.2755

■ 66.7957, 0.2578,
0.2914

■ 14.8301, 0.2250,
0.2668

■ 88.5705, 0.2625,
0.2949

■ 8.7003, 0.2098,
0.2548

■ 114.6276, 0.2665,
0.2977

■ 4.5462, 0.1888,
0.2376

■ 145.3512, 0.2699,
0.3001

■ 1.9835, 0.1579,
0.2109

■ 181.1258, 0.2728,
0.3022

■ 0.5979, 0.0864,
0.1637

■ 222.3357, 0.2754,

■ 0.0000, 0.0000,

0.3040

0.0000

269.3654, 0.2777,
0.3056

■ 34.5549, 0.2451,
0.2821

■ 34.5549, 0.2451,
0.2821

■ 30.9871, 0.2316,
0.2694

■ 38.5416, 0.2596,
0.2941

■ 27.8132, 0.2194,
0.2562

■ 42.9625, 0.2748,
0.3053

■ 25.0111, 0.2090,
0.2427

■ 47.8368, 0.2902,
0.3156

■ 22.5539, 0.2006,
0.2291

■ 53.1810, 0.3056,
0.3250

■ 20.4094, 0.1942,
0.2158

■ 59.0111, 0.3207,
0.3334

■ 19.3612, 0.1913,
0.2088

■ 65.3417, 0.3354,
0.3409

■ 72.1872, 0.3495,
0.3475

■ 77.2895, 0.3542,
0.3541

■ 81.0435, 0.3527,
0.3609

Harmonies

Analogous

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



34.5549, 0.2467, 0.3090



34.5549, 0.2451, 0.2821



34.5549, 0.2601, 0.2693

Triad

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



34.5549, 0.2451, 0.2821



34.5549, 0.3617, 0.3121



34.5549, 0.3331, 0.3947

Complementary

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



34.5549, 0.2451, 0.2821



31.7390, 0.4106, 0.3705

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.



34.5549, 0.3659, 0.3912



34.5549, 0.2451, 0.2821



34.5549, 0.3835, 0.3422

Square

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



34.5549, 0.2451, 0.2821



34.5549, 0.3265, 0.2869



34.5549, 0.3848, 0.3711



34.5549, 0.2961, 0.3773

Rectangle

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



34.5549, 0.2451, 0.2821



34.5549, 0.2783, 0.2692



34.5549, 0.3848, 0.3711



34.5549, 0.3450, 0.3958

Sweetspot

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



34.5562, 0.2451, 0.2821



87.0177, 0.2925, 0.3170



45.0758, 0.2873, 0.4178



18.1853, 0.2890, 0.3149



0.0000, 0.0000, 0.0000



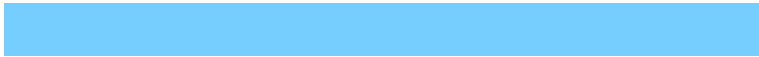
21.4041, 0.3127, 0.3290

Same Dimension

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



34.5562, 0.2451, 0.2821



55.3946, 0.2314, 0.2692



21.2560, 0.2330, 0.2119



11.4142, 0.2984, 0.3207



12.8957, 0.1918, 0.2105



0.7431, 0.1995, 0.2381

Inverse Universe

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



25.5654, 0.3535, 0.2554



38.5320, 0.3668, 0.2402



47.1771, 0.3851, 0.4235



10.7507, 0.3190, 0.3141



8.8418, 0.4336, 0.2162



0.4320, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 34.5549, 0.2451, 0.2821 looks on a white background.

Color Contrast Check

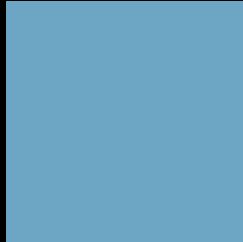
Large Text (above 18pt) WCAG AA × Fail

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 34.5549, 0.2451, 0.2821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

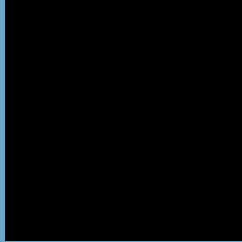
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5549, 0.2451, 0.2821

Background



This preview shows how black text looks on a background with the Yxy color 34.5549, 0.2451, 0.2821.

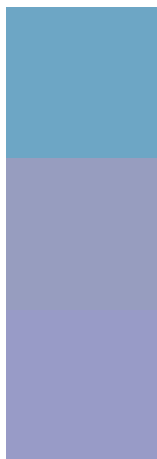


This preview shows how white text looks on a background with the Yxy color 34.5549, 0.2451, 0.2821.

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

34.5549, 0.2451, 0.2821

Protanopia

34.4548, 0.2787, 0.2805

Deuteranopia

34.2416, 0.2732, 0.2675



Tritanopia

34.7566, 0.2526, 0.3085

Trichromacy



Original Color

34.5549, 0.2451, 0.2821

Protanomaly

34.2261, 0.2653, 0.2807

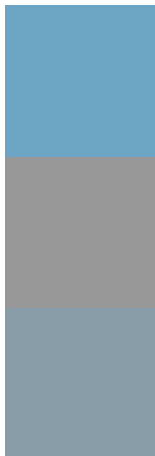
Deuteranomaly

34.1077, 0.2617, 0.2726

Tritanomaly

34.6573, 0.2498, 0.2994

Monochromacy



Original Color

34.5549, 0.2451, 0.2821

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1753, 0.2838, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5549, 0.2451, 0.2821 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(109, 166, 197)` looks like.

```
.text, #text, p{  
    color:rgb(109, 166, 197)  
}
```

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(109, 166, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 166, 197) }
```

Border

The CSS property to change the border of an element to Yxy 34.5549, 0.2451, 0.2821 is called "border". The border property can be set on classes, ids or directly on the HTML element.

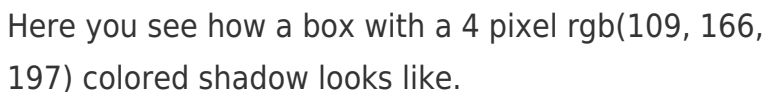
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 166, 197) }
```

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

```
.border{ border-color:rgb(109, 166, 197) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 166, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 166, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 166, 197); box-shadow:4px 4px 4px 4px rgb(109, 166, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5549, 0.2451, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 166, 197) }
```

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

```
.background{ background-color: rgb(109,  
166, 197) }
```

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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