

Converting Colors

$Y_{xy}(34.8875, 0.2528, 0.2820)$

Have a look what the booklet for
Yxy(34.8875, 0.2528, 0.2820)
contains.

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Color

Yxy(34.9607, 0.2533, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	79A5C4
RGB	121, 165, 196
RGB Percent	47%, 65%, 77%
CMY	0.5255, 0.3529, 0.2314
CMYK	0.38, 0.16, 0.00, 0.23
HSL	205°, 39%, 62%
HSV	205°, 38%, 77%
XYZ	31.3027, 34.9607, 57.3163
YIQ	155.3780, -36.1750, 0.3130

Conversions

Conversions Part 2

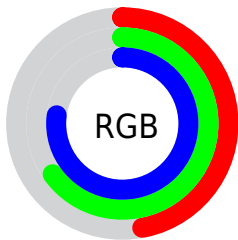
Format	Color
R _Y B	121, 149, 196
Decimal	7972292
CIE Lab	65.72, -6.94, -20.59
CIE LCh	66, 21.732, 251.370
Yxy	34.9607, 0.2533, 0.2829
Android (android.graphics.Color)	4286162372 (0xFF79A5C4)
YUV	155.3780, 20.0266, -30.1495
Hunter-Lab	59.1276, -8.9735, -16.0844

Details

The Yxy color **34.9607, 0.2533, 0.2829** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.5666, 0.3900, 0.3705**, and the grayscale version is **32.8765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5084, 0.2645, 0.2917**, and **14.9922, 0.2354, 0.2679** is the 20% darker color. If you saturate the color by 10%, you get **30.8574, 0.2384, 0.2683**, and if you desaturate by 10%, it is **39.5394, 0.2688, 0.2965**.

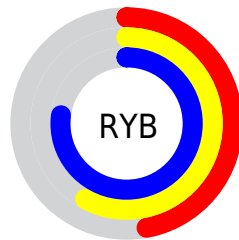
Distribution



Red (47%)

Green (65%)

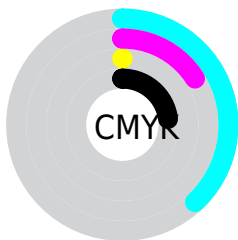
Blue (77%)



Red (47%)

Yellow (58%)

Blue (77%)

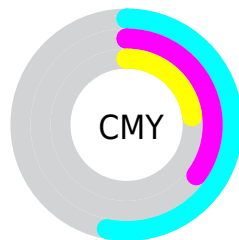


Cyan (38%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (53%)

Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.9607, 0.2533, 0.2829 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 34.9607, 0.2533, 0.2829 by changing the saturation by 10% instead.

■ 34.9607, 0.2533,
0.2829

■ 34.9607, 0.2533,
0.2829

■ 324.3948, 0.2838,
0.3071

■ 23.6326, 0.2455,
0.2765

■ 67.4249, 0.2645,
0.2920

■ 15.0613, 0.2354,
0.2682

■ 89.3298, 0.2687,
0.2953

■ 8.8624, 0.2219,
0.2567

■ 115.5290, 0.2722,
0.2981

■ 4.6516, 0.2029,
0.2403

■ 146.4070, 0.2752,
0.3004

■ 2.0443, 0.1747,
0.2149

■ 182.3482, 0.2778,
0.3024

■ 0.6330, 0.1160,
0.1699

■ 223.7370, 0.2800,

■ 0.0000, 0.0000,

0.3042

0.0000

270.9577, 0.2820,
0.3057

■ 34.9607, 0.2533,
0.2829

■ 34.9607, 0.2533,
0.2829

■ 30.8574, 0.2384,
0.2683

■ 39.5394, 0.2688,
0.2965

■ 27.2044, 0.2245,
0.2530

■ 44.6087, 0.2845,
0.3091

■ 23.9803, 0.2120,
0.2371

■ 50.1881, 0.3001,
0.3205

■ 21.1593, 0.2014,
0.2210

■ 56.2947, 0.3153,
0.3307

■ 18.7118, 0.1928,
0.2052

■ 62.9445, 0.3300,
0.3398

■ 16.5940, 0.1864,
0.1897

■ 70.1529, 0.3440,
0.3479

■ 16.2485, 0.1853,
0.1871

■ 77.3240, 0.3549,
0.3553

■ 81.7218, 0.3531,
0.3633

■ 86.3290, 0.3514,
0.3711

Harmonies

Analogous

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



34.9607, 0.2513, 0.3047



34.9607, 0.2533, 0.2829



34.9607, 0.2703, 0.2742

Triad

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



34.9607, 0.2533, 0.2829



34.9607, 0.3626, 0.3199



34.9607, 0.3237, 0.3859

Complementary

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



34.9607, 0.2533, 0.2829



35.5666, 0.3900, 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.



34.9607, 0.3548, 0.3873



34.9607, 0.2533, 0.2829



34.9607, 0.3784, 0.3475

Square

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



34.9607, 0.2533, 0.2829



34.9607, 0.3330, 0.2954



34.9607, 0.3753, 0.3724



34.9607, 0.2907, 0.3664

Rectangle

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



34.9607, 0.2533, 0.2829



34.9607, 0.2884, 0.2760



34.9607, 0.3753, 0.3724



34.9607, 0.3347, 0.3884

Sweetspot

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



34.9621, 0.2533, 0.2829



87.8896, 0.2956, 0.3173



45.7746, 0.2879, 0.3969



18.5102, 0.2934, 0.3157



0.0000, 0.0000, 0.0000



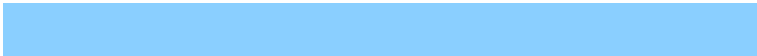
21.4041, 0.3127, 0.3290

Same Dimension

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



34.9621, 0.2533, 0.2829



56.9973, 0.2406, 0.2706



23.6189, 0.2449, 0.2256



10.7081, 0.2984, 0.3193



10.6146, 0.1859, 0.1892



0.5919, 0.1955, 0.2237

Inverse Universe

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



28.1260, 0.3512, 0.2714



43.8332, 0.3633, 0.2589



49.2915, 0.3727, 0.4147



10.1748, 0.3199, 0.3156



8.3538, 0.4577, 0.2295



0.3744, 0.4193, 0.2083

Previews

White Background



This preview shows how the Yxy color 34.9607, 0.2533, 0.2829 looks on a white background.

Color Contrast Check

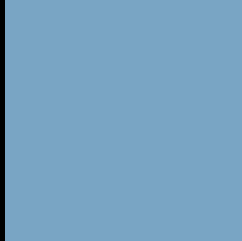
Large Text (above 18pt) WCAG AA × Fail

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 34.9607, 0.2533, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

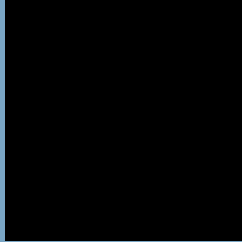
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

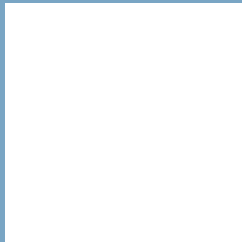
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.9607, 0.2533, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 34.9607, 0.2533, 0.2829.

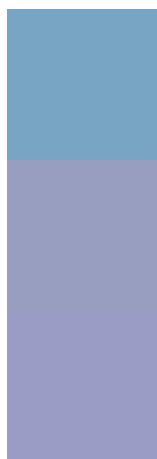


This preview shows how white text looks on a background with the Yxy color 34.9607, 0.2533, 0.2829.

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

34.9607, 0.2533, 0.2829

Protanopia

34.8907, 0.2796, 0.2821

Deuteranopia

34.8227, 0.2766, 0.2706



Tritanopia

35.1234, 0.2610, 0.3088

Trichromacy



Original Color

34.9607, 0.2533, 0.2829

Protanomaly

35.0027, 0.2694, 0.2827

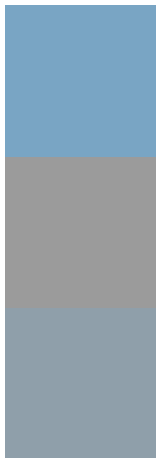
Deuteranomaly

34.6671, 0.2679, 0.2747

Tritanomaly

35.0342, 0.2581, 0.2999

Monochromacy



Original Color

34.9607, 0.2533, 0.2829

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.5382, 0.2885, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9607, 0.2533, 0.2829 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(121, 165, 196)` looks like.

```
.text, #text, p{  
    color:rgb(121, 165, 196)  
}
```

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(121, 165, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 165, 196) }
```

Border

The CSS property to change the border of an element to Yxy 34.9607, 0.2533, 0.2829 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(121, 165, 196) }
```

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

```
.border{ border-color:rgb(121, 165, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 165, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 165, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 165, 196);  
box-shadow:4px 4px 4px 4px rgb(121, 165,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9607, 0.2533, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 165, 196) }
```

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

```
.background{ background-color: rgb(121,  
165, 196) }
```

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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