

Converting Colors

$Y_{xy}(34.0930, 0.2188, 0.2460)$

Have a look what the booklet for
Yxy(34.0930, 0.2188, 0.2460)
contains.

Yxy(34.0690, 0.2188, 0.2461)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.0690, 0.2188, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	54A5DE
RGB	84, 165, 222
RGB Percent	33%, 65%, 87%
CMY	0.6708, 0.3529, 0.1295
CMYK	0.62, 0.26, 0.00, 0.13
HSL	205°, 68%, 60%
HSV	205°, 62%, 87%
XYZ	30.2897, 34.0690, 74.0769
YIQ	147.2790, -66.5730, 0.5550

Conversions

Conversions Part 2

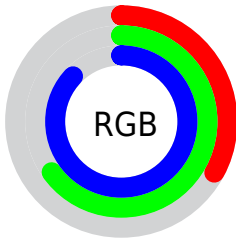
Format	Color
R _Y B	84, 135, 222
Decimal	5547486
CIE Lab	65.02, -7.69, -36.22
CIE LCh	65, 37.024, 258.016
Yxy	34.0690, 0.2188, 0.2461
Android (android.graphics.Color)	4283737566 (0xFF54A5DE)
YUV	147.2790, 36.8375, -55.4957
Hunter-Lab	58.3687, -9.5147, -34.3881

Details

The Yxy color **34.0690, 0.2188, 0.2461** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **35.1890, 0.4611, 0.3936**, and the grayscale version is **29.1583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4261, 0.2471, 0.2878**, and **14.6003, 0.1946, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **30.0163, 0.2070, 0.2300**, and if you desaturate by 10%, it is **38.6853, 0.2322, 0.2618**.

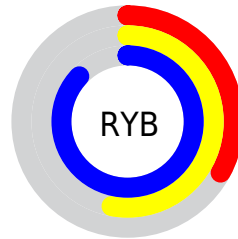
Distribution



Red (33%)

Green (65%)

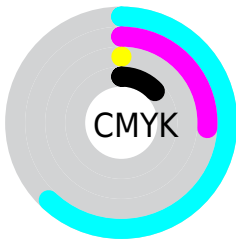
Blue (87%)



Red (33%)

Yellow (53%)

Blue (87%)

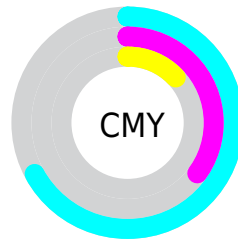


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (13%)



Cyan (67%)

Magenta (35%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0690, 0.2188, 0.2461 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 34.0690, 0.2188, 0.2461 by changing the saturation by 10% instead.

■ 34.0690, 0.2188,
0.2461

■ 34.0690, 0.2188,
0.2461

■ 320.4396, 0.2660,
0.2888

■ 22.9466, 0.2072,
0.2353

■ 66.0410, 0.2359,
0.2618

■ 14.5541, 0.1926,
0.2215

■ 87.6593, 0.2423,
0.2676

■ 8.5070, 0.1737,
0.2033

■ 113.5451, 0.2478,
0.2726

■ 4.4211, 0.1486,
0.1787

■ 144.0828, 0.2525,
0.2768

■ 1.9118, 0.1148,
0.1442

■ 179.6566, 0.2565,
0.2804

■ 0.5554, 0.0560,
0.0915

■ 220.6511, 0.2601,

■ 0.0000, 0.0000,

0.2836

0.0000

267.4507, 0.2632,
0.2864

■ 34.0690, 0.2188,
0.2461

■ 34.0690, 0.2188,
0.2461

■ 30.0163, 0.2070,
0.2300

■ 38.6853, 0.2322,
0.2618

■ 26.4867, 0.1972,
0.2139

■ 43.8939, 0.2469,
0.2769

■ 23.4379, 0.1897,
0.1981

■ 49.7257, 0.2623,
0.2910

■ 21.3384, 0.1850,
0.1861

■ 56.2075, 0.2781,
0.3041

■ 63.3646, 0.2939,
0.3160

71.2206, 0.3094,
0.3268

79.7978, 0.3244,
0.3364

87.8590, 0.3343,
0.3452

93.3392, 0.3331,
0.3540

Harmonies

Analogous

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



34.0690, 0.2100, 0.2755



34.0690, 0.2188, 0.2461



34.0690, 0.2502, 0.2390

Triad

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



34.0690, 0.2188, 0.2461



34.0690, 0.4076, 0.3215



34.0690, 0.3163, 0.4257

Complementary

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



34.0690, 0.2188, 0.2461



35.1890, 0.4611, 0.3936

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.



34.0690, 0.3714, 0.4319



34.0690, 0.2188, 0.2461



34.0690, 0.4274, 0.3662

Square

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



34.0690, 0.2188, 0.2461



34.0690, 0.3593, 0.2812



34.0690, 0.4129, 0.4070



34.0690, 0.2629, 0.3842

Rectangle

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



34.0690, 0.2188, 0.2461



34.0690, 0.2822, 0.2456



34.0690, 0.4129, 0.4070



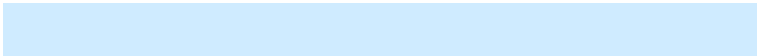
34.0690, 0.3352, 0.4319

Sweetspot

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



34.0702, 0.2188, 0.2461



79.8403, 0.2829, 0.3078



55.9860, 0.2780, 0.4519



16.5042, 0.2783, 0.3043



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.



34.0702, 0.2188, 0.2461



39.3809, 0.2035, 0.2245



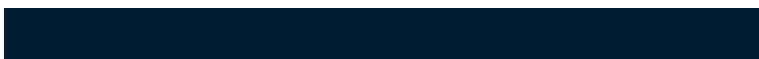
15.8416, 0.1960, 0.1466



14.5744, 0.2981, 0.3191



12.9003, 0.1857, 0.1884



1.0694, 0.1923, 0.2122

Inverse Universe

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



24.5750, 0.3895, 0.2389



28.0361, 0.4146, 0.2283



61.3669, 0.4083, 0.4613



13.8349, 0.3201, 0.3153



10.2103, 0.4587, 0.2300



0.7254, 0.4317, 0.2152

Previews

White Background



This preview shows how the Yxy color 34.0690, 0.2188, 0.2461 looks on a white background.

Color Contrast Check

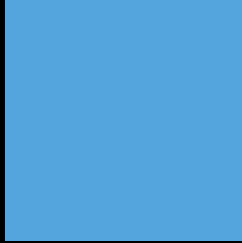
Large Text (above 18pt) WCAG AA × Fail

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 34.0690, 0.2188, 0.2461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

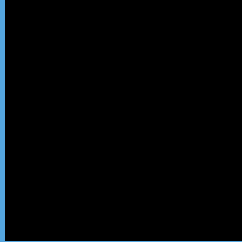
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

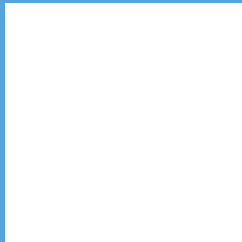
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0690, 0.2188, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 34.0690, 0.2188, 0.2461.

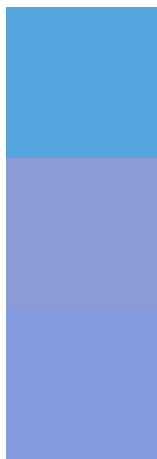


This preview shows how white text looks on a background with the Yxy color 34.0690, 0.2188, 0.2461.

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

34.0690, 0.2188, 0.2461

Protanopia

33.8732, 0.2533, 0.2475

Deuteranopia

33.6498, 0.2409, 0.2347



Tritanopia

34.2085, 0.2314, 0.3061

Trichromacy



Original Color

34.0690, 0.2188, 0.2461

Protanomaly

33.7991, 0.2386, 0.2469

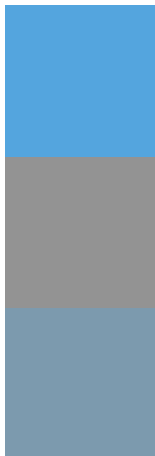
Deuteranomaly

33.7014, 0.2317, 0.2391

Tritanomaly

33.9159, 0.2265, 0.2819

Monochromacy



Original Color

34.0690, 0.2188, 0.2461

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.4523, 0.2685, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0690, 0.2188, 0.2461 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(84, 165, 222)` looks like.

```
.text, #text, p{  
    color:rgb(84, 165, 222)  
}
```

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(84, 165, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 165, 222) }
```

Border

The CSS property to change the border of an element to Yxy 34.0690, 0.2188, 0.2461 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(84, 165, 222) }
```

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

```
.border{ border-color:rgb(84, 165, 222) }
```

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

Here you see how a box with a 4 pixel rgb(84, 165, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 165, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 165, 222);  
box-shadow:4px 4px 4px 4px rgb(84, 165,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0690, 0.2188, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 165, 222) }
```

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

```
.background{ background-color: rgb(84, 165,  
222) }
```

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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