

Converting Colors

$Yxy(30.9554, 0.2148, 0.2570)$

Have a look what the booklet for
Yxy(30.9554, 0.2148, 0.2570)
contains.

Yxy(30.9554, 0.2148, 0.2570)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9554, 0.2148, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	3CA1CF
RGB	60, 161, 207
RGB Percent	24%, 63%, 81%
CMY	0.7642, 0.3686, 0.1884
CMYK	0.71, 0.22, 0.00, 0.19
HSL	199°, 60%, 52%
HSV	199°, 71%, 81%
XYZ	25.8725, 30.9554, 63.6212
YIQ	136.0450, -74.9620, -7.1060

Conversions

Conversions Part 2

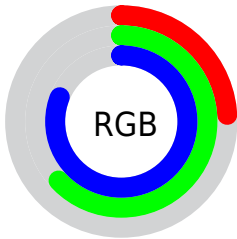
Format	Color
R _{YB}	60, 120, 207
Decimal	3973583
CIE _{Lab}	62.47, -14.19, -31.91
CIE _{LCh}	62, 34.922, 246.027
Y _{xy}	30.9554, 0.2148, 0.2570
Android (android.graphics.Color)	4282163663 (0xFF3CA1CF)
YUV	136.0450, 34.9808, -66.6915
Hunter-Lab	55.6376, -14.3601, -28.8514

Details

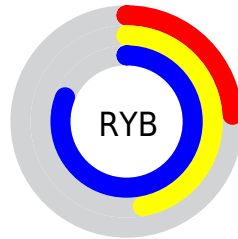
The Yxy color **30.9554, 0.2148, 0.2570** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **23.9146, 0.5044, 0.3805**, and the grayscale version is **24.5377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6917, 0.2371, 0.2818**, and **13.2043, 0.1988, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **28.2256, 0.2062, 0.2450**, and if you desaturate by 10%, it is **34.0568, 0.2253, 0.2688**.

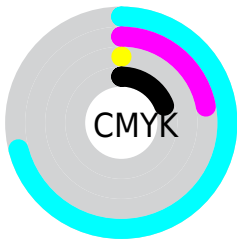
Distribution



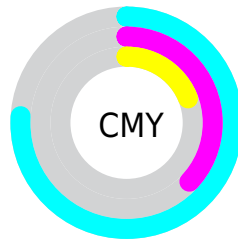
- Red (24%)
- Green (63%)
- Blue (81%)



- Red (24%)
- Yellow (47%)
- Blue (81%)



- Cyan (71%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)



- Cyan (76%)
- Magenta (37%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9554, 0.2148, 0.2570 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 30.9554, 0.2148, 0.2570 by changing the saturation by 10% instead.

■ 30.9554, 0.2148,
0.2570

■ 30.9554, 0.2148,
0.2570

■ 306.3328, 0.2647,
0.2955

■ 20.5649, 0.2023,
0.2468

■ 61.1698, 0.2330,
0.2715

■ 12.8063, 0.1865,
0.2335

■ 81.7626, 0.2398,
0.2768

■ 7.2953, 0.1658,
0.2154

■ 106.5248, 0.2456,
0.2812

■ 3.6475, 0.1381,
0.1900

■ 135.8410, 0.2505,
0.2849

■ 1.4784, 0.1004,
0.1527

■ 170.0955, 0.2548,
0.2881

■ 0.2734, 0.0000,
0.0719

209.6727, 0.2585,

■ 0.0000, 0.0000,

0.2909

0.0000

254.9570, 0.2618,
0.2933

■ 30.9554, 0.2148,
0.2570

■ 30.9554, 0.2148,
0.2570

■ 28.2256, 0.2062,
0.2450

■ 34.0568, 0.2253,
0.2688

■ 25.8312, 0.1997,
0.2332

■ 37.5545, 0.2375,
0.2804

■ 23.9021, 0.1952,
0.2226

■ 41.4743, 0.2510,
0.2914

■ 45.8384, 0.2655,
0.3018

■ 50.6672, 0.2805,
0.3114

■ 55.9797, 0.2959,
0.3203

■ 61.7934, 0.3113,
0.3283

■ 68.1251, 0.3264,
0.3355

■ 74.9907, 0.3411,
0.3419

Harmonies

Analogous

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



30.9554, 0.2155, 0.2945



30.9554, 0.2148, 0.2570



30.9554, 0.2370, 0.2414

Triad

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



30.9554, 0.2148, 0.2570



30.9554, 0.3889, 0.3052



30.9554, 0.3385, 0.4297

Complementary

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



30.9554, 0.2148, 0.2570



23.9146, 0.5044, 0.3805

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.



30.9554, 0.3886, 0.4225



30.9554, 0.2148, 0.2570



30.9554, 0.4208, 0.3480

Square

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



30.9554, 0.2148, 0.2570



30.9554, 0.3354, 0.2692



30.9554, 0.4198, 0.3905



30.9554, 0.2839, 0.4021

Rectangle

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



30.9554, 0.2148, 0.2570



30.9554, 0.2634, 0.2426



30.9554, 0.4198, 0.3905



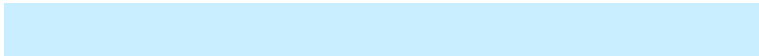
30.9554, 0.3564, 0.4310

Sweetspot

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



30.9565, 0.2148, 0.2570



80.9868, 0.2801, 0.3111



46.5771, 0.2839, 0.4956



16.8564, 0.2758, 0.3085



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.



30.9565, 0.2148, 0.2570



43.2401, 0.2026, 0.2390



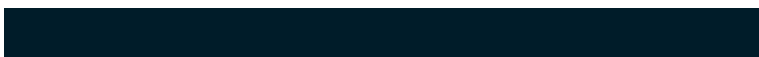
12.6941, 0.1860, 0.1410



12.7567, 0.2983, 0.3216



15.2404, 0.1956, 0.2242



0.9905, 0.2016, 0.2457

Inverse Universe

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



19.0780, 0.3818, 0.2156



26.2564, 0.4021, 0.2073



45.2690, 0.4305, 0.4598



11.9434, 0.3185, 0.3132



9.6098, 0.4187, 0.2080



0.5513, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 30.9554, 0.2148, 0.2570 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 30.9554, 0.2148, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

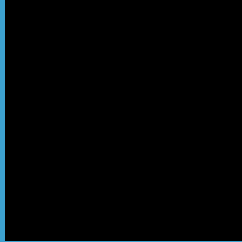
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9554, 0.2148, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 30.9554, 0.2148, 0.2570.

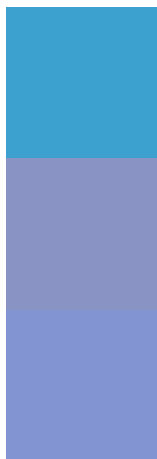


This preview shows how white text looks on a background with the Yxy color 30.9554, 0.2148, 0.2570.

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

30.9554, 0.2148, 0.2570

Protanopia

30.5294, 0.2613, 0.2574

Deuteranopia

30.5788, 0.2470, 0.2403



Tritanopia

30.9782, 0.2241, 0.3065

Trichromacy



Original Color

30.9554, 0.2148, 0.2570

Protanomaly

30.2507, 0.2391, 0.2561

Deuteranomaly

30.3892, 0.2321, 0.2455

Tritanomaly

30.8294, 0.2202, 0.2873

Monochromacy



Original Color

30.9554, 0.2148, 0.2570

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.0476, 0.2628, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9554, 0.2148, 0.2570 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(60, 161, 207)` looks like.

```
.text, #text, p{  
    color:rgb(60, 161, 207)  
}
```

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(60, 161, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 161, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.9554, 0.2148, 0.2570 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(60, 161, 207) }
```

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

```
.border{ border-color:rgb(60, 161, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 161, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 161, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 161, 207);  
box-shadow:4px 4px 4px 4px rgb(60, 161,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9554, 0.2148, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 161, 207) }
```

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

```
.background{ background-color: rgb(60, 161,  
207) }
```

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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