

Converting Colors

$Y_{xy}(21.9200, 0.2132, 0.2550)$

Have a look what the booklet for
Yxy(21.9200, 0.2132, 0.2550)
contains.

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Color

$\text{Yxy}(22.0600, 0.2134, 0.2552)$

Conversions

Conversions Part 1

Format	Color
Hex	308AB3
RGB	48, 138, 179
RGB Percent	19%, 54%, 70%
CMY	0.8115, 0.4588, 0.2980
CMYK	0.73, 0.23, 0.00, 0.30
HSL	199°, 58%, 45%
HSV	199°, 73%, 70%
XYZ	18.4467, 22.0600, 45.9353
YIQ	115.7640, -66.8010, -6.3290

Conversions

Conversions Part 2

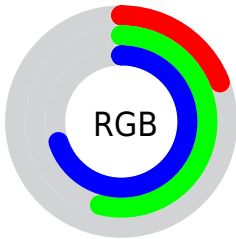
Format	Color
R_{YB}	48, 101, 179
Decimal	3181235
CIE _{Lab}	54.09, -12.63, -29.15
CIE _{LCh}	54, 31.771, 246.582
Yxy	22.0600, 0.2134, 0.2552
Android (android.graphics.Color)	4281371315 (0xFF308AB3)
YUV	115.7640, 31.1753, -59.4290
Hunter-Lab	46.9681, -12.0882, -25.1086

Details

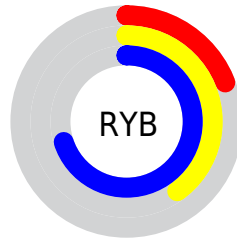
The Yxy color **22.0600, 0.2134, 0.2552** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **16.9572, 0.5097, 0.3807**, and the grayscale version is **17.3139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6393, 0.2332, 0.2707**, and **8.4858, 0.1975, 0.2310** is the 20% darker color. If you saturate the color by 10%, you get **20.1417, 0.2052, 0.2434**, and if you desaturate by 10%, it is **24.2385, 0.2235, 0.2670**.

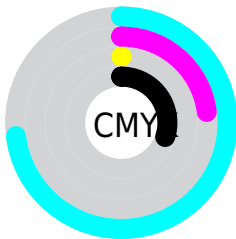
Distribution



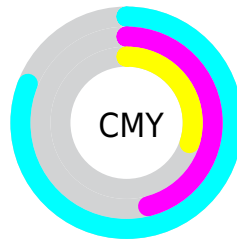
- Red (19%)
- Green (54%)
- Blue (70%)



- Red (19%)
- Yellow (40%)
- Blue (70%)



- Cyan (73%)
- Magenta (23%)
- Yellow (0%)
- Black (30%)



- Cyan (81%)
- Magenta (46%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0600, 0.2134, 0.2552 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 22.0600, 0.2134, 0.2552 by changing the saturation by 10% instead.

■ 22.0600, 0.2134,
0.2552

■ 22.0600, 0.2134,
0.2552

262.8594, 0.2668,
0.2967

■ 13.9010, 0.1991,
0.2434

■ 46.8451, 0.2336,
0.2714

■ 8.0518, 0.1803,
0.2273

■ 64.2401, 0.2409,
0.2771

■ 4.1281, 0.1549,
0.2047

■ 85.4824, 0.2471,
0.2818

■ 1.7455, 0.1195,
0.1710

■ 110.9566, 0.2522,
0.2858

■ 0.4529, 0.0297,
0.1102

■ 141.0470, 0.2567,
0.2891

■ 0.0000, 0.0000,
0.0000

176.1380, 0.2605,

0.2920

216.6140, 0.2638,
0.2945

■ 22.0600, 0.2134,
0.2552

■ 22.0600, 0.2134,
0.2552

■ 20.1417, 0.2052,
0.2434

■ 24.2385, 0.2235,
0.2670

■ 18.4575, 0.1989,
0.2316

■ 26.6951, 0.2353,
0.2784

■ 17.4052, 0.1955,
0.2236

■ 29.4480, 0.2485,
0.2895

■ 32.5133, 0.2627,
0.2999

■ 35.9053, 0.2776,
0.3096

■ 39.6375, 0.2927,
0.3185

■ 43.7226, 0.3080,
0.3266

■ 48.1723, 0.3230,
0.3339

■ 52.9980, 0.3377,
0.3404

Harmonies

Analogous

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



22.0600, 0.2136, 0.2929



22.0600, 0.2134, 0.2552



22.0600, 0.2363, 0.2398

Triad

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



22.0600, 0.2134, 0.2552



22.0600, 0.3911, 0.3054



22.0600, 0.3378, 0.4315

Complementary

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



22.0600, 0.2134, 0.2552



16.9572, 0.5097, 0.3807

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.



22.0600, 0.3891, 0.4245



22.0600, 0.2134, 0.2552



22.0600, 0.4231, 0.3490

Square

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



22.0600, 0.2134, 0.2552



22.0600, 0.3368, 0.2688



22.0600, 0.4214, 0.3921



22.0600, 0.2823, 0.4027

Rectangle

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



22.0600, 0.2134, 0.2552



22.0600, 0.2634, 0.2414



22.0600, 0.4214, 0.3921



22.0600, 0.3561, 0.4329

Sweetspot

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



22.0608, 0.2134, 0.2552



64.7952, 0.2787, 0.3103



33.5660, 0.2839, 0.4994



13.9801, 0.2747, 0.3078



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.0608, 0.2134, 0.2552



34.1123, 0.2010, 0.2359



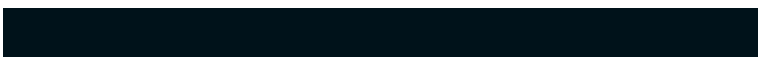
8.8178, 0.1837, 0.1370



9.1735, 0.2986, 0.3217



12.4189, 0.1958, 0.2250



0.4894, 0.2049, 0.2574

Inverse Universe

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



13.5392, 0.3838, 0.2144



20.8179, 0.4056, 0.2070



32.5214, 0.4325, 0.4614



8.6005, 0.3184, 0.3135



7.7938, 0.4179, 0.2076



0.2552, 0.3849, 0.1894

Previews

White Background



This preview shows how the Yxy color 22.0600, 0.2134, 0.2552 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0600, 0.2134, 0.2552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

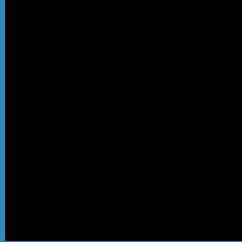
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0600, 0.2134, 0.2552

Background



This preview shows how black text looks on a background with the Yxy color 22.0600, 0.2134, 0.2552.



This preview shows how white text looks on a background with the Yxy color 22.0600, 0.2134, 0.2552.

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

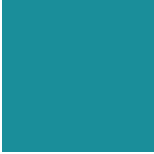
22.0600, 0.2134, 0.2552

Protanopia

21.8320, 0.2588, 0.2552

Deuteranopia

21.8299, 0.2459, 0.2400



Tritanopia

21.8987, 0.2219, 0.3050

Trichromacy



Original Color

22.0600, 0.2134, 0.2552

Protanomaly

21.5127, 0.2369, 0.2539

Deuteranomaly

21.5541, 0.2302, 0.2446

Tritanomaly

22.0342, 0.2186, 0.2867

Monochromacy



Original Color

22.0600, 0.2134, 0.2552

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.5035, 0.2617, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0600, 0.2134, 0.2552 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(48, 138, 179)` looks like.

```
.text, #text, p{  
    color:rgb(48, 138, 179)  
}
```

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(48, 138, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 138, 179) }
```

Border

The CSS property to change the border of an element to Yxy 22.0600, 0.2134, 0.2552 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(48, 138, 179) }
```

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

```
.border{ border-color:rgb(48, 138, 179) }
```

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

Here you see how a box with a 4 pixel rgb(48, 138, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 138, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 138, 179);  
box-shadow:4px 4px 4px 4px rgb(48, 138,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0600, 0.2134, 0.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 138, 179) }
```

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

```
.background{ background-color: rgb(48, 138,  
179) }
```

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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