

Converting Colors

$Y_{xy}(23.3850, 0.2149, 0.2576)$

Have a look what the booklet for
Yxy(23.3850, 0.2149, 0.2576)
contains.

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Color

Yxy(23.4535, 0.2153, 0.2585)

Conversions

Conversions Part 1

Format	Color
Hex	348EB6
RGB	52, 142, 182
RGB Percent	20%, 56%, 71%
CMY	0.7957, 0.4431, 0.2864
CMYK	0.71, 0.22, 0.00, 0.29
HSL	198°, 55%, 46%
HSV	198°, 71%, 71%
XYZ	19.5340, 23.4535, 47.7417
YIQ	119.6500, -66.4800, -6.6400

Conversions

Conversions Part 2

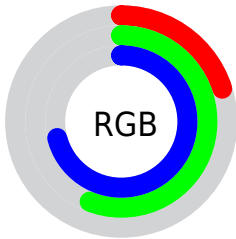
Format	Color
R_{YB}	52, 105, 182
Decimal	3444406
CIE _{Lab}	55.54, -13.28, -28.60
CIE _{LCh}	56, 31.535, 245.096
Yxy	23.4535, 0.2153, 0.2585
Android (android.graphics.Color)	4281634486 (0xFF348EB6)
YUV	119.6500, 30.7385, -59.3291
Hunter-Lab	48.4288, -12.7516, -24.5486

Details

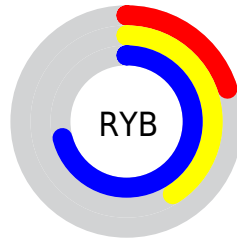
The Yxy color **23.4535, 0.2153, 0.2585** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.8579, 0.5046, 0.3795**, and the grayscale version is **18.5887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2977, 0.2350, 0.2743**, and **9.2393, 0.1989, 0.2359** is the 20% darker color. If you saturate the color by 10%, you get **21.4349, 0.2068, 0.2469**, and if you desaturate by 10%, it is **25.7437, 0.2257, 0.2700**.

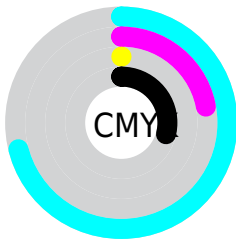
Distribution



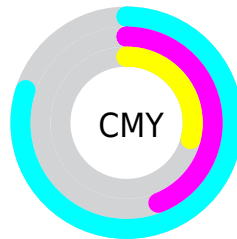
- Red (20%)
- Green (56%)
- Blue (71%)



- Red (20%)
- Yellow (41%)
- Blue (71%)



- Cyan (71%)
- Magenta (22%)
- Yellow (0%)
- Black (29%)



- Cyan (80%)
- Magenta (44%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4535, 0.2153, 0.2585 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 23.4535, 0.2153, 0.2585 by changing the saturation by 10% instead.

■ 23.4535, 0.2153,
0.2585

■ 23.4535, 0.2153,
0.2585

■ 270.0458, 0.2672,
0.2979

■ 14.9287, 0.2015,
0.2473

■ 49.1369, 0.2348,
0.2738

■ 8.7694, 0.1835,
0.2323

■ 67.0643, 0.2420,
0.2792

■ 4.5911, 0.1592,
0.2111

■ 88.8948, 0.2479,
0.2837

■ 2.0094, 0.1254,
0.1796

■ 115.0126, 0.2530,
0.2875

■ 0.6129, 0.0545,
0.1294

■ 145.8022, 0.2573,
0.2907

■ 0.0000, 0.0000,
0.0000

181.6480, 0.2611,

0.2934

222.9344, 0.2643,
0.2958

■ 23.4535, 0.2153,
0.2585

■ 23.4535, 0.2153,
0.2585

■ 21.4349, 0.2068,
0.2469

■ 25.7437, 0.2257,
0.2700

■ 19.6615, 0.2003,
0.2353

■ 28.3233, 0.2377,
0.2812

■ 18.2891, 0.1960,
0.2254

■ 31.2111, 0.2510,
0.2920

■ 34.4233, 0.2653,
0.3021

■ 37.9747, 0.2802,
0.3115

■ 41.8791, 0.2954,
0.3201

■ 46.1495, 0.3106,
0.3280

■ 50.7979, 0.3256,
0.3350

■ 55.8360, 0.3403,
0.3413

Harmonies

Analogous

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



23.4535, 0.2167, 0.2964



23.4535, 0.2153, 0.2585



23.4535, 0.2366, 0.2423

Triad

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



23.4535, 0.2153, 0.2585



23.4535, 0.3867, 0.3042



23.4535, 0.3400, 0.4290

Complementary

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



23.4535, 0.2153, 0.2585



17.8579, 0.5046, 0.3795

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.



23.4535, 0.3893, 0.4209



23.4535, 0.2153, 0.2585



23.4535, 0.4192, 0.3466

Square

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



23.4535, 0.2153, 0.2585



23.4535, 0.3334, 0.2688



23.4535, 0.4194, 0.3888



23.4535, 0.2858, 0.4027

Rectangle

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



23.4535, 0.2153, 0.2585



23.4535, 0.2625, 0.2431



23.4535, 0.4194, 0.3888



23.4535, 0.3577, 0.4299

Sweetspot

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



23.4543, 0.2153, 0.2585



68.8793, 0.2802, 0.3115



34.9362, 0.2839, 0.4951



14.8081, 0.2761, 0.3090



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



23.4543, 0.2153, 0.2585



36.8661, 0.2026, 0.2398



9.5673, 0.1863, 0.1416



9.7315, 0.2985, 0.3218



13.0407, 0.1963, 0.2268



0.5640, 0.2045, 0.2562

Inverse Universe

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



14.3595, 0.3803, 0.2150



22.1998, 0.4013, 0.2062



33.9687, 0.4302, 0.4596



9.1144, 0.3183, 0.3133



8.0988, 0.4160, 0.2065



0.2960, 0.3861, 0.1900

Previews

White Background



This preview shows how the Yxy color 23.4535, 0.2153, 0.2585 looks on a white background.

Color Contrast Check

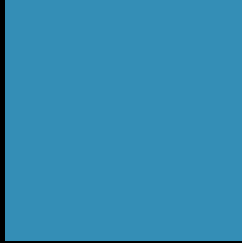
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4535, 0.2153, 0.2585 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 23.4535, 0.2153, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 23.4535, 0.2153, 0.2585.

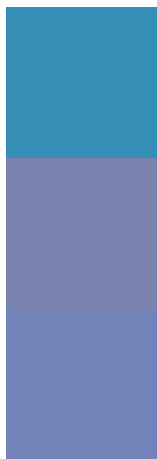


This preview shows how white text looks on a background with the Yxy color 23.4535, 0.2153, 0.2585.

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

23.4535, 0.2153, 0.2585

Protanopia

23.3147, 0.2626, 0.2601

Deuteranopia

23.3128, 0.2474, 0.2422



Tritanopia

23.3665, 0.2239, 0.3057

Trichromacy



Original Color

23.4535, 0.2153, 0.2585

Protanomaly

22.9493, 0.2405, 0.2589

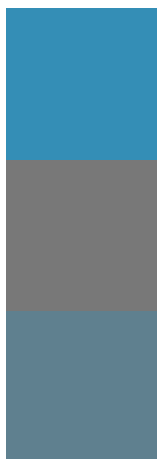
Deuteranomaly

23.0128, 0.2319, 0.2467

Tritanomaly

23.5122, 0.2206, 0.2879

Monochromacy



Original Color

23.4535, 0.2153, 0.2585

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.8544, 0.2630, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4535, 0.2153, 0.2585 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(52, 142, 182)` looks like.

```
.text, #text, p{  
    color:rgb(52, 142, 182)  
}
```

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(52, 142, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 142, 182) }
```

Border

The CSS property to change the border of an element to Yxy 23.4535, 0.2153, 0.2585 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(52, 142, 182) }
```

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

```
.border{ border-color:rgb(52, 142, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 142, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 142, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 142, 182);  
box-shadow:4px 4px 4px 4px rgb(52, 142,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4535, 0.2153, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 142, 182) }
```

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

```
.background{ background-color: rgb(52, 142,  
182) }
```

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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