

Converting Colors

$Y_{xy}(23.7305, 0.2097, 0.2541)$

Have a look what the booklet for
Yxy(23.7305, 0.2097, 0.2541)
contains.

Yxy(23.6214, 0.2096, 0.2536)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(23.6214, 0.2096, 0.2536)$

Conversions

Conversions Part 1

Format	Color
Hex	278FBA
RGB	39, 143, 186
RGB Percent	15%, 56%, 73%
CMY	0.8472, 0.4392, 0.2705
CMYK	0.79, 0.23, 0.00, 0.27
HSL	198°, 65%, 44%
HSV	198°, 79%, 73%
XYZ	19.5230, 23.6214, 49.9999
YIQ	116.8060, -75.7870, -8.6750

Conversions

Conversions Part 2

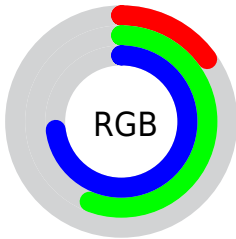
Format	Color
R_{YB}	39, 100, 186
Decimal	2592698
CIE _{Lab}	55.71, -14.07, -30.67
CIE _{LCh}	56, 33.741, 245.357
Yxy	23.6214, 0.2096, 0.2536
Android (android.graphics.Color)	4280782778 (0xFF278FBA)
YUV	116.8060, 34.1126, -68.2359
Hunter-Lab	48.6019, -13.3509, -26.9742

Details

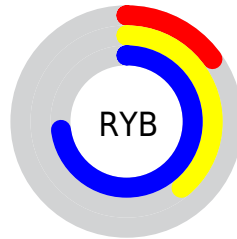
The Yxy color **23.6214, 0.2096, 0.2536** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **16.6222, 0.5355, 0.3766**, and the grayscale version is **17.6339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5315, 0.2304, 0.2706**, and **9.5222, 0.1974, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **21.7494, 0.2029, 0.2426**, and if you desaturate by 10%, it is **25.7523, 0.2183, 0.2646**.

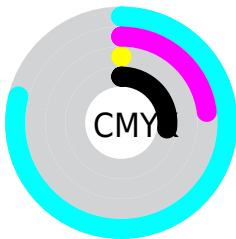
Distribution



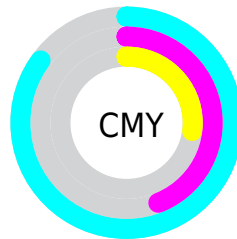
- Red (15%)
- Green (56%)
- Blue (73%)



- Red (15%)
- Yellow (39%)
- Blue (73%)



- Cyan (79%)
- Magenta (23%)
- Yellow (0%)
- Black (27%)



- Cyan (85%)
- Magenta (44%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6214, 0.2096, 0.2536 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 23.6214, 0.2096, 0.2536 by changing the saturation by 10% instead.

■ 23.6214, 0.2096,
0.2536

■ 23.6214, 0.2096,
0.2536

■ 270.9008, 0.2643,
0.2956

■ 15.0530, 0.1953,
0.2418

■ 49.4117, 0.2301,
0.2698

■ 8.8566, 0.1766,
0.2260

■ 67.4023, 0.2376,
0.2757

■ 4.6478, 0.1518,
0.2039

■ 89.3026, 0.2439,
0.2804

■ 2.0421, 0.1177,
0.1716

■ 115.4967, 0.2492,
0.2845

■ 0.6318, 0.0496,
0.1218

■ 146.3693, 0.2538,
0.2879

■ 0.0000, 0.0000,
0.0000

182.3045, 0.2577,

0.2908

223.6869, 0.2612,
0.2933

■ 23.6214, 0.2096,
0.2536

■ 23.6214, 0.2096,
0.2536

■ 21.7494, 0.2029,
0.2426

■ 25.7523, 0.2183,
0.2646

■ 20.0916, 0.1979,
0.2318

■ 28.1636, 0.2289,
0.2755

■ 19.9408, 0.1974,
0.2307

■ 30.8768, 0.2410,
0.2860

■ 33.9101, 0.2544,
0.2961

■ 37.2801, 0.2688,
0.3055

■ 41.0021, 0.2837,
0.3143

■ 45.0902, 0.2989,
0.3224

■ 49.5576, 0.3141,
0.3297

■ 54.4169, 0.3291,
0.3362

Harmonies

Analogous

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



23.6214, 0.2108, 0.2933



23.6214, 0.2096, 0.2536



23.6214, 0.2322, 0.2370

Triad

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



23.6214, 0.2096, 0.2536



23.6214, 0.3922, 0.3028



23.6214, 0.3408, 0.4361

Complementary

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



23.6214, 0.2096, 0.2536



16.6222, 0.5355, 0.3766

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.



23.6214, 0.3935, 0.4269



23.6214, 0.2096, 0.2536



23.6214, 0.4266, 0.3475

Square

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



23.6214, 0.2096, 0.2536



23.6214, 0.3351, 0.2655



23.6214, 0.4261, 0.3923



23.6214, 0.2833, 0.4077

Rectangle

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



23.6214, 0.2096, 0.2536



23.6214, 0.2596, 0.2381



23.6214, 0.4261, 0.3923



23.6214, 0.3597, 0.4369

Sweetspot

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



23.6222, 0.2096, 0.2536



70.6099, 0.2757, 0.3097



36.1488, 0.2853, 0.5189



15.0283, 0.2704, 0.3065



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



23.6222, 0.2096, 0.2536



37.1326, 0.1991, 0.2345



8.4617, 0.1760, 0.1247



9.7547, 0.2985, 0.3222



13.5456, 0.1978, 0.2322



0.5789, 0.2056, 0.2601

Inverse Universe

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



13.8745, 0.3865, 0.2067



22.2791, 0.4077, 0.2038



33.7543, 0.4430, 0.4643



9.1167, 0.3181, 0.3130



8.1498, 0.4104, 0.2034



0.2975, 0.3823, 0.1880

Previews

White Background



This preview shows how the Yxy color 23.6214, 0.2096, 0.2536 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 23.6214, 0.2096, 0.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

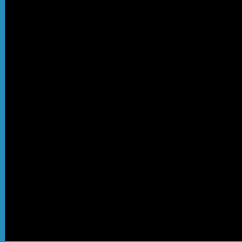
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6214, 0.2096, 0.2536

Background



This preview shows how black text looks on a background with the Yxy color 23.6214, 0.2096, 0.2536.



This preview shows how white text looks on a background with the Yxy color 23.6214, 0.2096, 0.2536.

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

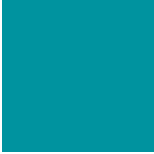
23.6214, 0.2096, 0.2536

Protanopia

23.4000, 0.2585, 0.2542

Deuteranopia

23.3515, 0.2429, 0.2365



Tritanopia

23.3706, 0.2182, 0.3055

Trichromacy



Original Color

23.6214, 0.2096, 0.2536

Protanomaly

22.8474, 0.2343, 0.2524

Deuteranomaly

22.8901, 0.2256, 0.2403

Tritanomaly

23.5157, 0.2142, 0.2858

Monochromacy



Original Color

23.6214, 0.2096, 0.2536

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.9985, 0.2578, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6214, 0.2096, 0.2536 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(39, 143, 186)` looks like.

```
.text, #text, p{  
  color:rgb(39, 143, 186)  
}
```

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(39, 143, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 143, 186) }
```

Border

The CSS property to change the border of an element to Yxy 23.6214, 0.2096, 0.2536 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(39, 143, 186) }
```

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

```
.border{ border-color:rgb(39, 143, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 143, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 143, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 143, 186);  
box-shadow:4px 4px 4px 4px rgb(39, 143,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6214, 0.2096, 0.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 143, 186) }
```

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

```
.background{ background-color: rgb(39, 143,  
186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor