

Converting Colors

$Y_{xy}(23.3385, 0.2453, 0.2858)$

Have a look what the booklet for
Yxy(23.3385, 0.2453, 0.2858)
contains.

Yxy(23.2334, 0.2456, 0.2858)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.2334, 0.2456, 0.2858)

Conversions

Conversions Part 1

Format	Color
Hex	598BA3
RGB	89, 139, 163
RGB Percent	35%, 55%, 64%
CMY	0.6509, 0.4549, 0.3607
CMYK	0.45, 0.15, 0.00, 0.36
HSL	199°, 29%, 49%
HSV	199°, 45%, 64%
XYZ	19.9654, 23.2334, 38.0937
YIQ	126.7860, -37.5040, -3.1360

Conversions

Conversions Part 2

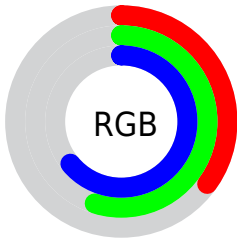
Format	Color
R_{YB}	89, 119, 163
Decimal	5868451
CIE _{Lab}	55.31, -10.16, -17.98
CIE _{LCh}	55, 20.646, 240.535
Yxy	23.2334, 0.2456, 0.2858
Android (android.graphics.Color)	4284058531 (0xFF598BA3)
YUV	126.7860, 17.8535, -33.1383
Hunter-Lab	48.2010, -10.4150, -13.1166

Details

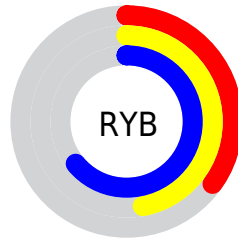
The Yxy color **23.2334, 0.2456, 0.2858** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3288, 0.4125, 0.3674**, and the grayscale version is **21.0949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6009, 0.2598, 0.2948**, and **8.6498, 0.2221, 0.2693** is the 20% darker color. If you saturate the color by 10%, you get **21.0194, 0.2326, 0.2743**, and if you desaturate by 10%, it is **25.7020, 0.2596, 0.2967**.

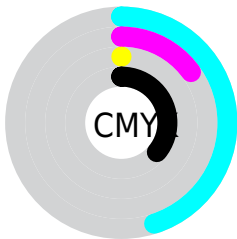
Distribution



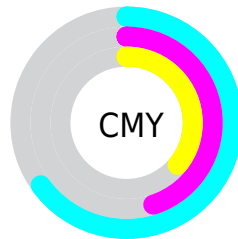
- Red (35%)
- Green (55%)
- Blue (64%)



- Red (35%)
- Yellow (47%)
- Blue (64%)



- Cyan (45%)
- Magenta (15%)
- Yellow (0%)
- Black (36%)



- Cyan (65%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2334, 0.2456, 0.2858 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 23.2334, 0.2456, 0.2858 by changing the saturation by 10% instead.

■ 23.2334, 0.2456,
0.2858

■ 23.2334, 0.2456,
0.2858

■ 268.9215, 0.2821,
0.3102

■ 14.7659, 0.2354,
0.2786

■ 48.7763, 0.2596,
0.2954

■ 8.6553, 0.2218,
0.2687

■ 66.6205, 0.2647,
0.2988

■ 4.5170, 0.2025,
0.2541

■ 88.3591, 0.2688,
0.3016

■ 1.9668, 0.1736,
0.2309

■ 114.3765, 0.2723,
0.3039

■ 0.5881, 0.0994,
0.1879

■ 145.0570, 0.2753,
0.3059

■ 0.0000, 0.0000,
0.0000

180.7851, 0.2779,

0.3075

221.9451, 0.2802,
0.3090

■ 23.2334, 0.2456,
0.2858

■ 23.2334, 0.2456,
0.2858

■ 21.0194, 0.2326,
0.2743

■ 25.7020, 0.2596,
0.2967

■ 19.0443, 0.2210,
0.2624

■ 28.4343, 0.2744,
0.3068

■ 17.2947, 0.2111,
0.2502

■ 31.4423, 0.2894,
0.3162

■ 15.7539, 0.2031,
0.2380

■ 34.7361, 0.3046,
0.3247

■ 14.4011, 0.1971,
0.2259

■ 38.3255, 0.3196,
0.3324

■ 13.8196, 0.1946,
0.2204

■ 42.2195, 0.3342,
0.3393

■ 46.4268, 0.3483,
0.3455

■ 50.9559, 0.3618,
0.3509

■ 55.8146, 0.3747,
0.3556

Harmonies

Analogous

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



23.2334, 0.2494, 0.3138



23.2334, 0.2456, 0.2858



23.2334, 0.2583, 0.2712

Triad

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



23.2334, 0.2456, 0.2858



23.2334, 0.3566, 0.3088



23.2334, 0.3375, 0.3940

Complementary

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



23.2334, 0.2456, 0.2858



20.3288, 0.4125, 0.3674

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.



23.2334, 0.3683, 0.3882



23.2334, 0.2456, 0.2858



23.2334, 0.3803, 0.3380

Square

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



23.2334, 0.2456, 0.2858



23.2334, 0.3212, 0.2850



23.2334, 0.3844, 0.3669



23.2334, 0.3012, 0.3797

Rectangle

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



23.2334, 0.2456, 0.2858



23.2334, 0.2750, 0.2698



23.2334, 0.3844, 0.3669



23.2334, 0.3488, 0.3942

Sweetspot

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



23.2343, 0.2456, 0.2858



56.9390, 0.2912, 0.3172



29.5073, 0.2891, 0.4229



12.5265, 0.2880, 0.3154



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.2343, 0.2456, 0.2858



37.7818, 0.2331, 0.2748



14.3865, 0.2335, 0.2162



7.6218, 0.2987, 0.3215



10.8219, 0.1949, 0.2215



0.3075, 0.2070, 0.2650

Inverse Universe

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



16.7995, 0.3506, 0.2523



25.6384, 0.3619, 0.2376



30.1498, 0.3868, 0.4205



7.1629, 0.3185, 0.3139



6.9366, 0.4216, 0.2096



0.1538, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 23.2334, 0.2456, 0.2858 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 23.2334, 0.2456, 0.2858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

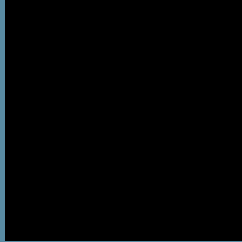
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2334, 0.2456, 0.2858

Background



This preview shows how black text looks on a background with the Yxy color 23.2334, 0.2456, 0.2858.



This preview shows how white text looks on a background with the Yxy color 23.2334, 0.2456, 0.2858.

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

23.2334, 0.2456, 0.2858

Protanopia

23.1025, 0.2813, 0.2850

Deuteranopia

23.0063, 0.2759, 0.2696



Tritanopia

23.2952, 0.2520, 0.3084

Trichromacy



Original Color

23.2334, 0.2456, 0.2858

Protanomaly

23.0641, 0.2673, 0.2855

Deuteranomaly

23.0328, 0.2639, 0.2759

Tritanomaly

23.1827, 0.2495, 0.2995

Monochromacy



Original Color

23.2334, 0.2456, 0.2858

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6368, 0.2839, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2334, 0.2456, 0.2858 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(89, 139, 163)` looks like.

```
.text, #text, p{  
    color:rgb(89, 139, 163)  
}
```

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(89, 139, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 139, 163) }
```

Border

The CSS property to change the border of an element to Yxy 23.2334, 0.2456, 0.2858 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(89, 139, 163) }
```

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

```
.border{ border-color:rgb(89, 139, 163) }
```

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

Here you see how a box with a 4 pixel rgb(89, 139, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 139, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 139, 163);  
box-shadow:4px 4px 4px 4px rgb(89, 139,  
163) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.2334, 0.2456, 0.2858$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 139, 163) }
```

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

```
.background{ background-color: rgb(89, 139,  
163) }
```

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