

Converting Colors

$Y_{xy}(23.5358, 0.2328, 0.2370)$

Have a look what the booklet for
Yxy(23.5358, 0.2328, 0.2370)
contains.

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Color

Yxy(23.4644, 0.2327, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	6386BF
RGB	99, 134, 191
RGB Percent	39%, 53%, 75%
CMY	0.6120, 0.4744, 0.2510
CMYK	0.48, 0.30, 0.00, 0.25
HSL	217°, 42%, 57%
HSV	217°, 48%, 75%
XYZ	23.0679, 23.4644, 52.5991
YIQ	130.0330, -39.1570, 10.3070

Conversions

Conversions Part 2

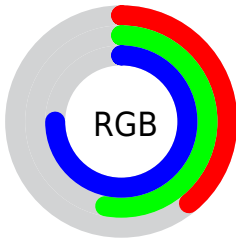
Format	Color
R_{YB}	99, 124, 191
Decimal	6522559
CIE _{Lab}	55.55, 3.49, -33.57
CIE _{LCh}	56, 33.752, 275.934
Y _{xy}	23.4644, 0.2327, 0.2367
Android (android.graphics.Color)	4284712639 (0xFF6386BF)
YUV	130.0330, 30.0567, -27.2159
Hunter-Lab	48.4401, 0.2342, -30.4726

Details

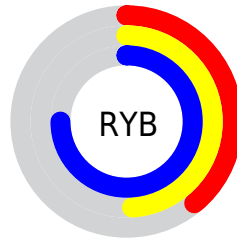
The Yxy color **23.4644, 0.2327, 0.2367** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **35.7196, 0.4040, 0.4053**, and the grayscale version is **22.2332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1880, 0.2489, 0.2549**, and **8.8167, 0.2062, 0.2075** is the 20% darker color. If you saturate the color by 10%, you get **19.4273, 0.2160, 0.2132**, and if you desaturate by 10%, it is **28.1228, 0.2500, 0.2591**.

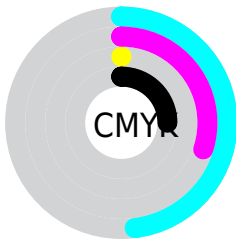
Distribution



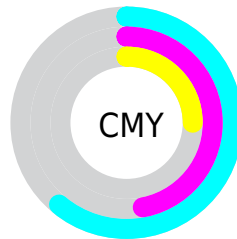
- Red (39%)
- Green (53%)
- Blue (75%)



- Red (39%)
- Yellow (49%)
- Blue (75%)



- Cyan (48%)
- Magenta (30%)
- Yellow (0%)
- Black (25%)



- Cyan (61%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4644, 0.2327, 0.2367 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 23.4644, 0.2327, 0.2367 by changing the saturation by 10% instead.

■ 23.4644, 0.2327,
0.2367

■ 23.4644, 0.2327,
0.2367

270.1014, 0.2759,
0.2860

■ 14.9368, 0.2210,
0.2236

■ 49.1548, 0.2491,
0.2552

■ 8.7750, 0.2056,
0.2065

■ 67.0863, 0.2551,
0.2620

■ 4.5947, 0.1846,
0.1833

■ 88.9213, 0.2600,
0.2677

■ 2.0115, 0.1547,
0.1508

■ 115.0440, 0.2642,
0.2725

■ 0.6141, 0.1097,
0.1007

145.8391, 0.2678,
0.2766

■ 0.0000, 0.0000,
0.0000

181.6907, 0.2709,

0.2801

222.9833, 0.2736,
0.2832

■ 23.4644, 0.2327,
0.2367

■ 23.4644, 0.2327,
0.2367

■ 19.4273, 0.2160,
0.2132

■ 28.1228, 0.2500,
0.2591

■ 15.9787, 0.2006,
0.1894

■ 33.4277, 0.2673,
0.2800

■ 13.0862, 0.1872,
0.1659

■ 39.4059, 0.2841,
0.2991

■ 10.7122, 0.1763,
0.1438

■ 46.0819, 0.3002,
0.3163

■ 8.8047, 0.1681,
0.1238

■ 53.4788, 0.3154,
0.3316

■ 8.4996, 0.1668,
0.1204

■ 61.6186, 0.3295,
0.3452

■ 70.5222, 0.3425,
0.3571

■ 80.2097, 0.3544,
0.3675

■ 87.5751, 0.3541,
0.3785

Harmonies

Analogous

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



23.4644, 0.2096, 0.2529



23.4644, 0.2327, 0.2367



23.4644, 0.2774, 0.2421

Triad

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



23.4644, 0.2327, 0.2367



23.4644, 0.4272, 0.3484



23.4644, 0.2821, 0.4071

Complementary

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



23.4644, 0.2327, 0.2367



35.7196, 0.4040, 0.4053

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.



23.4644, 0.3397, 0.4362



23.4644, 0.2327, 0.2367



23.4644, 0.4260, 0.3932

Square

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



23.4644, 0.2327, 0.2367



23.4644, 0.3933, 0.3035



23.4644, 0.3928, 0.4276



23.4644, 0.2355, 0.3501

Rectangle

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



23.4644, 0.2327, 0.2367



23.4644, 0.3159, 0.2562



23.4644, 0.3928, 0.4276



23.4644, 0.3008, 0.4209

Sweetspot

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



23.4653, 0.2327, 0.2367



75.1905, 0.2906, 0.3062



42.2975, 0.2705, 0.3847



15.9503, 0.2871, 0.3023



97.7402, 0.3127, 0.3290



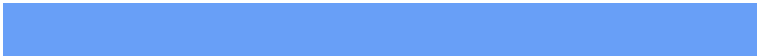
20.4902, 0.3127, 0.3290

Same Dimension

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



23.4653, 0.2327, 0.2367



34.3209, 0.2149, 0.2115



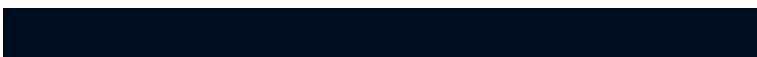
15.9654, 0.2314, 0.1824



9.8054, 0.2984, 0.3144



5.7309, 0.1675, 0.1229



0.3517, 0.1813, 0.1725

Inverse Universe

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



21.7075, 0.3922, 0.2815



32.2039, 0.4205, 0.2728



47.8917, 0.3730, 0.4493



9.5949, 0.3230, 0.3203



7.6082, 0.5425, 0.2762



0.3109, 0.4776, 0.2404

Previews

White Background



This preview shows how the Yxy color 23.4644, 0.2327, 0.2367 looks on a white background.

Color Contrast Check

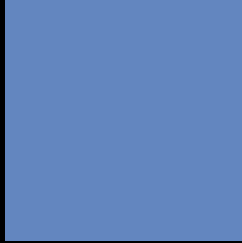
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4644, 0.2327, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

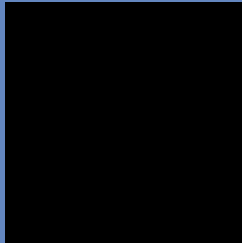
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

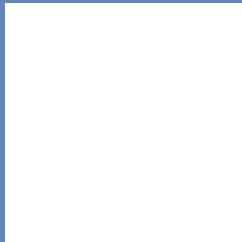
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4644, 0.2327, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 23.4644, 0.2327, 0.2367.

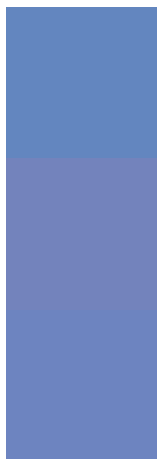


This preview shows how white text looks on a background with the Yxy color 23.4644, 0.2327, 0.2367.

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

23.4644, 0.2327, 0.2367

Protanopia

23.5083, 0.2461, 0.2384

Deuteranopia

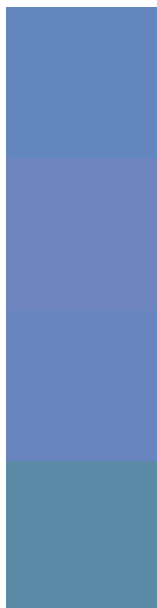
23.5595, 0.2389, 0.2338



Tritanopia

23.3759, 0.2520, 0.3067

Trichromacy



Original Color

23.4644, 0.2327, 0.2367

Protanomaly

23.4279, 0.2408, 0.2376

Deuteranomaly

23.5841, 0.2361, 0.2347

Tritanomaly

23.1911, 0.2440, 0.2776

Monochromacy



Original Color

23.4644, 0.2327, 0.2367

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4215, 0.2788, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4644, 0.2327, 0.2367 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(99, 134, 191)` looks like.

```
.text, #text, p{  
    color:rgb(99, 134, 191)  
}
```

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(99, 134, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 134, 191) }
```

Border

The CSS property to change the border of an element to Yxy 23.4644, 0.2327, 0.2367 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(99, 134, 191) }
```

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

```
.border{ border-color:rgb(99, 134, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 134, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 134, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 134, 191);  
box-shadow:4px 4px 4px 4px rgb(99, 134,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4644, 0.2327, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 134, 191) }
```

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

```
.background{ background-color: rgb(99, 134,  
191) }
```

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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