

Converting Colors

$Y_{xy}(23.0281, 0.2263, 0.2400)$

Have a look what the booklet for
Yxy(23.0281, 0.2263, 0.2400)
contains.

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Color

Yxy(23.0283, 0.2263, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	5787BD
RGB	87, 135, 189
RGB Percent	34%, 53%, 74%
CMY	0.6588, 0.4706, 0.2589
CMYK	0.54, 0.29, 0.00, 0.26
HSL	212°, 44%, 54%
HSV	212°, 54%, 74%
XYZ	21.7773, 23.0283, 51.4263
YIQ	126.8040, -45.9420, 6.6180

Conversions

Conversions Part 2

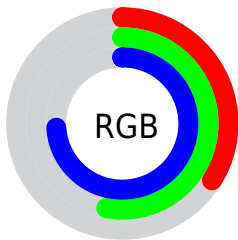
Format	Color
R _Y B	87, 120, 189
Decimal	5736381
CIE Lab	55.10, -0.52, -33.16
CIE LCh	55, 33.169, 269.108
Yxy	23.0283, 0.2263, 0.2393
Android (android.graphics.Color)	4283926461 (0xFF5787BD)
YUV	126.8040, 30.6626, -34.9081
Hunter-Lab	47.9878, -2.9738, -29.9469

Details

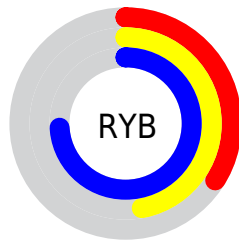
The Yxy color **23.0283, 0.2263, 0.2393** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.5446, 0.4241, 0.4020**, and the grayscale version is **21.0579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4599, 0.2437, 0.2570**, and **8.5990, 0.1978, 0.2106** is the 20% darker color. If you saturate the color by 10%, you get **19.5743, 0.2115, 0.2190**, and if you desaturate by 10%, it is **26.9842, 0.2422, 0.2589**.

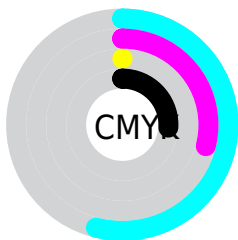
Distribution



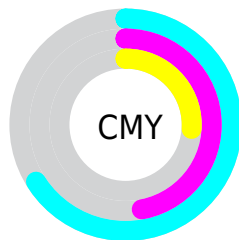
- Red (34%)
- Green (53%)
- Blue (74%)



- Red (34%)
- Yellow (47%)
- Blue (74%)



- Cyan (54%)
- Magenta (29%)
- Yellow (0%)
- Black (26%)



- Cyan (66%)
- Magenta (47%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0283, 0.2263, 0.2393 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 23.0283, 0.2263, 0.2393 by changing the saturation by 10% instead.

■ 23.0283, 0.2263,
0.2393

■ 23.0283, 0.2263,
0.2393

■ 267.8703, 0.2729,
0.2877

■ 14.6144, 0.2138,
0.2263

■ 48.4398, 0.2439,
0.2577

■ 8.5492, 0.1973,
0.2091

■ 66.2062, 0.2503,
0.2643

■ 4.4483, 0.1749,
0.1856

■ 87.8589, 0.2557,
0.2699

■ 1.9274, 0.1433,
0.1525

■ 113.7822, 0.2602,
0.2746

■ 0.5648, 0.0925,
0.0997

■ 144.3606, 0.2640,
0.2786

■ 0.0000, 0.0000,
0.0000

179.9785, 0.2674,

0.2820

221.0203, 0.2703,
0.2851

■ 23.0283, 0.2263,
0.2393

■ 23.0283, 0.2263,
0.2393

■ 19.5743, 0.2115,
0.2190

■ 26.9842, 0.2422,
0.2589

■ 16.5935, 0.1983,
0.1984

■ 31.4635, 0.2585,
0.2773

■ 14.0574, 0.1873,
0.1782

■ 36.4889, 0.2750,
0.2944

■ 11.9317, 0.1787,
0.1589

■ 42.0811, 0.2912,
0.3099

■ 10.8114, 0.1744,
0.1479

■ 48.2594, 0.3067,
0.3239

■ 55.0424, 0.3216,
0.3363

■ 62.4474, 0.3355,
0.3474

■ 70.4912, 0.3486,
0.3571

■ 78.7933, 0.3591,
0.3658

Harmonies

Analogous

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



23.0283, 0.2086, 0.2606



23.0283, 0.2263, 0.2393



23.0283, 0.2661, 0.2400

Triad

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



23.0283, 0.2263, 0.2393



23.0283, 0.4212, 0.3379



23.0283, 0.2950, 0.4159

Complementary

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



23.0283, 0.2263, 0.2393



30.5446, 0.4241, 0.4020

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.



23.0283, 0.3524, 0.4361



23.0283, 0.2263, 0.2393



23.0283, 0.4282, 0.3830

Square

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



23.0283, 0.2263, 0.2393



23.0283, 0.3809, 0.2944



23.0283, 0.4017, 0.4205



23.0283, 0.2452, 0.3637

Rectangle

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



23.0283, 0.2263, 0.2393



23.0283, 0.3024, 0.2513



23.0283, 0.4017, 0.4205



23.0283, 0.3141, 0.4269

Sweetspot

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



23.0291, 0.2263, 0.2393



72.9989, 0.2875, 0.3065



40.2949, 0.2733, 0.4104



15.2476, 0.2842, 0.3033



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.



23.0291, 0.2263, 0.2393



33.8893, 0.2086, 0.2147



12.5988, 0.2113, 0.1596



9.9460, 0.2984, 0.3165



7.4268, 0.1751, 0.1502



0.4219, 0.1877, 0.1957

Inverse Universe

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



19.3817, 0.3924, 0.2644



28.5398, 0.4208, 0.2540



47.6719, 0.3883, 0.4574



9.6091, 0.3217, 0.3182



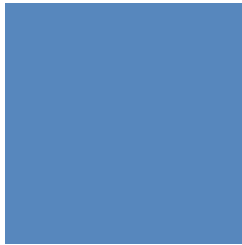
7.7794, 0.5057, 0.2559



0.3180, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 23.0283, 0.2263, 0.2393 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 23.0283, 0.2263, 0.2393 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 23.0283, 0.2263, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 23.0283, 0.2263, 0.2393.

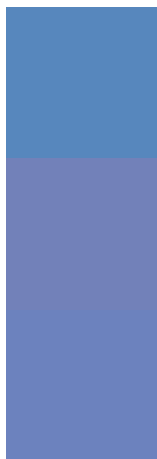


This preview shows how white text looks on a background with the Yxy color 23.0283, 0.2263, 0.2393.

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

23.0283, 0.2263, 0.2393

Protanopia

22.7807, 0.2469, 0.2388

Deuteranopia

22.8711, 0.2389, 0.2328



Tritanopia

23.1018, 0.2433, 0.3081

Trichromacy



Original Color

23.0283, 0.2263, 0.2393

Protanomaly

22.7208, 0.2387, 0.2390

Deuteranomaly

22.9296, 0.2335, 0.2348

Tritanomaly

22.8807, 0.2367, 0.2801

Monochromacy



Original Color

23.0283, 0.2263, 0.2393

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6120, 0.2735, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0283, 0.2263, 0.2393 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(87, 135, 189)` looks like.

```
.text, #text, p{  
    color:rgb(87, 135, 189)  
}
```

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(87, 135, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 135, 189) }
```

Border

The CSS property to change the border of an element to Yxy 23.0283, 0.2263, 0.2393 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(87, 135, 189) }
```

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

```
.border{ border-color:rgb(87, 135, 189) }
```

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

Here you see how a box with a 4 pixel rgb(87, 135, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 135, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 135, 189);  
box-shadow:4px 4px 4px 4px rgb(87, 135,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0283, 0.2263, 0.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 135, 189) }
```

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

```
.background{ background-color: rgb(87, 135,  
189) }
```

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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