

Converting Colors

$Y_{xy}(25.3690, 0.2456, 0.2717)$

Have a look what the booklet for
Yxy(25.3690, 0.2456, 0.2717)
contains.

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Color

$Y_{xy}(25.2297, 0.2449, 0.2703)$

Conversions

Conversions Part 1

Format	Color
Hex	648EB1
RGB	100, 142, 177
RGB Percent	39%, 56%, 69%
CMY	0.6080, 0.4431, 0.3059
CMYK	0.44, 0.20, 0.00, 0.31
HSL	207°, 33%, 54%
HSV	207°, 44%, 69%
XYZ	22.8589, 25.2297, 45.2510
YIQ	133.4320, -36.2670, 1.9810

Conversions

Conversions Part 2

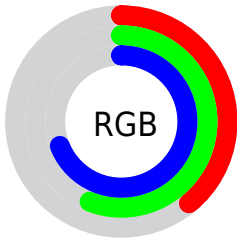
Format	Color
RYB	100, 127, 177
Decimal	6590129
CIELab	57.30, -5.00, -22.87
CIELCh	57, 23.416, 257.664
Yxy	25.2297, 0.2449, 0.2703
Android (android.graphics.Color)	4284780209 (0xFF648EB1)
YUV	133.4320, 21.4790, -29.3199
Hunter-Lab	50.2292, -6.6672, -18.2534

Details

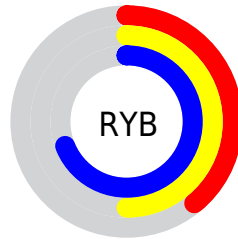
The Yxy color **25.2297, 0.2449, 0.2703** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.5707, 0.4012, 0.3804**, and the grayscale version is **23.5481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2331, 0.2587, 0.2829**, and **9.7139, 0.2224, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **22.0236, 0.2300, 0.2538**, and if you desaturate by 10%, it is **28.8292, 0.2605, 0.2858**.

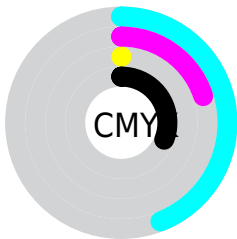
Distribution



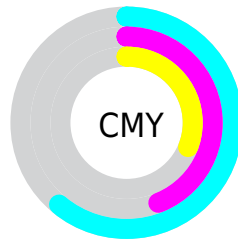
- Red (39%)
- Green (56%)
- Blue (69%)



- Red (39%)
- Yellow (50%)
- Blue (69%)



- Cyan (44%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)



- Cyan (61%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2297, 0.2449, 0.2703 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 25.2297, 0.2449, 0.2703 by changing the saturation by 10% instead.

■ 25.2297, 0.2449,
0.2703

■ 25.2297, 0.2449,
0.2703

■ 278.9799, 0.2814,
0.3024

■ 16.2483, 0.2350,
0.2614

■ 52.0296, 0.2587,
0.2826

■ 9.7000, 0.2218,
0.2493

■ 70.6169, 0.2638,
0.2871

■ 5.2005, 0.2036,
0.2324

■ 93.1749, 0.2679,
0.2907

■ 2.3654, 0.1768,
0.2069

■ 120.0881, 0.2715,
0.2938

■ 0.8080, 0.1328,
0.1661

■ 151.7408, 0.2745,
0.2965

■ 0.0000, 0.0000,
0.0000

188.5174, 0.2771,

0.2987

230.8023, 0.2793,
0.3007

■ 25.2297, 0.2449,
0.2703

■ 25.2297, 0.2449,
0.2703

■ 22.0236, 0.2300,
0.2538

■ 28.8292, 0.2605,
0.2858

■ 19.1902, 0.2163,
0.2366

■ 32.8358, 0.2763,
0.3002

■ 16.7106, 0.2041,
0.2191

■ 37.2660, 0.2920,
0.3133

■ 14.5625, 0.1939,
0.2016

■ 42.1342, 0.3074,
0.3251

■ 12.7198, 0.1860,
0.1846

■ 47.4541, 0.3222,
0.3357

■ 11.6566, 0.1817,
0.1739

■ 53.2388, 0.3364,
0.3451

■ 59.5008, 0.3497,
0.3534

■ 66.2521, 0.3623,
0.3607

■ 72.6912, 0.3707,
0.3676

Harmonies

Analogous

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



25.2297, 0.2387, 0.2928



25.2297, 0.2449, 0.2703



25.2297, 0.2681, 0.2639

Triad

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



25.2297, 0.2449, 0.2703



25.2297, 0.3785, 0.3245



25.2297, 0.3169, 0.3948

Complementary

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



25.2297, 0.2449, 0.2703



27.5707, 0.4012, 0.3804

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.



25.2297, 0.3557, 0.4007



25.2297, 0.2449, 0.2703



25.2297, 0.3929, 0.3572

Square

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



25.2297, 0.2449, 0.2703



25.2297, 0.3452, 0.2945



25.2297, 0.3840, 0.3854



25.2297, 0.2786, 0.3672

Rectangle

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



25.2297, 0.2449, 0.2703



25.2297, 0.2912, 0.2683



25.2297, 0.3840, 0.3854



25.2297, 0.3304, 0.3994

Sweetspot

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



25.2307, 0.2449, 0.2703



67.0076, 0.2925, 0.3137



35.8830, 0.2826, 0.4006



14.1339, 0.2891, 0.3109



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



25.2307, 0.2449, 0.2703



39.7965, 0.2309, 0.2549



15.7417, 0.2337, 0.2030



8.9734, 0.2985, 0.3184



8.5699, 0.1821, 0.1757



0.3844, 0.1952, 0.2227

Inverse Universe

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



20.4040, 0.3624, 0.2683



31.0347, 0.3783, 0.2561



40.2023, 0.3784, 0.4298



8.5803, 0.3205, 0.3166



7.4053, 0.4737, 0.2383



0.2446, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 25.2297, 0.2449, 0.2703 looks on a white background.

Color Contrast Check

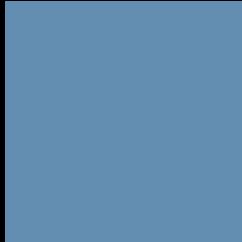
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2297, 0.2449, 0.2703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

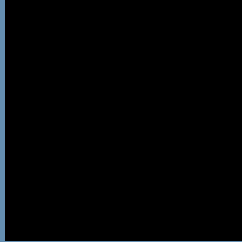
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

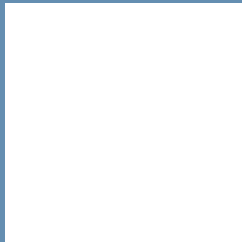
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.2297, 0.2449, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 25.2297, 0.2449, 0.2703.

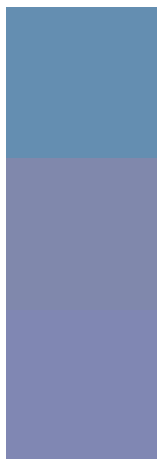


This preview shows how white text looks on a background with the Yxy color 25.2297, 0.2449, 0.2703.

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

25.2297, 0.2449, 0.2703

Protanopia

25.1761, 0.2708, 0.2710

Deuteranopia

25.1718, 0.2649, 0.2594



Tritanopia

25.3718, 0.2557, 0.3093

Trichromacy



Original Color

25.2297, 0.2449, 0.2703

Protanomaly

25.0845, 0.2605, 0.2700

Deuteranomaly

25.2429, 0.2575, 0.2642

Tritanomaly

25.4179, 0.2519, 0.2957

Monochromacy



Original Color

25.2297, 0.2449, 0.2703

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.8432, 0.2841, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2297, 0.2449, 0.2703 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(100, 142, 177)` looks like.

```
.text, #text, p{  
    color:rgb(100, 142, 177)  
}
```

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(100, 142, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 142, 177) }
```

Border

The CSS property to change the border of an element to Yxy 25.2297, 0.2449, 0.2703 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(100, 142, 177) }
```

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

```
.border{ border-color:rgb(100, 142, 177) }
```

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

Here you see how a box with a 4 pixel rgb(100, 142, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 142, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 142, 177);  
box-shadow:4px 4px 4px 4px rgb(100, 142,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2297, 0.2449, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 142, 177) }
```

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

```
.background{ background-color: rgb(100,  
142, 177) }
```

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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