

Converting Colors

$Y_{xy}(25.7729, 0.2309, 0.2444)$

Have a look what the booklet for
Yxy(25.7729, 0.2309, 0.2444)
contains.

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Color

Yxy(25.7729, 0.2309, 0.2444)

Conversions

Conversions Part 1

Format	Color
Hex	608EC3
RGB	96, 142, 195
RGB Percent	38%, 56%, 76%
CMY	0.6235, 0.4431, 0.2352
CMYK	0.51, 0.27, 0.00, 0.24
HSL	212°, 45%, 57%
HSV	212°, 51%, 76%
XYZ	24.3493, 25.7729, 55.3316
YIQ	134.2880, -44.4290, 6.7310

Conversions

Conversions Part 2

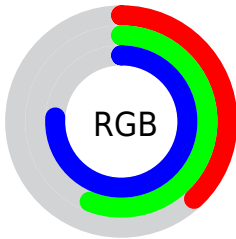
Format	Color
R_{YB}	96, 127, 195
Decimal	6328003
CIE _{Lab}	57.82, -0.64, -32.32
CIE _{LCh}	58, 32.329, 268.869
Yxy	25.7729, 0.2309, 0.2444
Android (android.graphics.Color)	4284518083 (0xFF608EC3)
YUV	134.2880, 29.9310, -33.5786
Hunter-Lab	50.7670, -3.2287, -29.0840

Details

The Yxy color **25.7729, 0.2309, 0.2444** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **33.9540, 0.4157, 0.3991**, and the grayscale version is **23.8530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7339, 0.2472, 0.2605**, and **9.9707, 0.2043, 0.2168** is the 20% darker color. If you saturate the color by 10%, you get **21.8804, 0.2156, 0.2240**, and if you desaturate by 10%, it is **30.2208, 0.2471, 0.2640**.

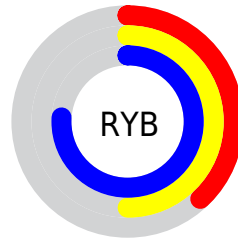
Distribution



Red (38%)

Green (56%)

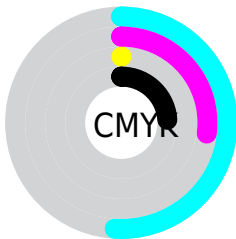
Blue (76%)



Red (38%)

Yellow (50%)

Blue (76%)

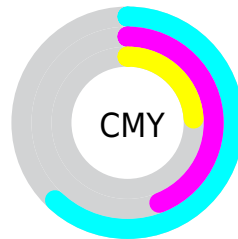


Cyan (51%)

Magenta (27%)

Yellow (0%)

Black (24%)



Cyan (62%)

Magenta (44%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7729, 0.2309, 0.2444 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 25.7729, 0.2309, 0.2444 by changing the saturation by 10% instead.

■ 25.7729, 0.2309,
0.2444

■ 25.7729, 0.2309,
0.2444

■ 281.6655, 0.2744,
0.2894

■ 16.6538, 0.2194,
0.2325

■ 52.9084, 0.2472,
0.2613

■ 9.9880, 0.2044,
0.2168

■ 71.6935, 0.2532,
0.2675

■ 5.3910, 0.1841,
0.1957

■ 94.4695, 0.2582,
0.2727

■ 2.4784, 0.1556,
0.1659

■ 121.6207, 0.2624,
0.2771

■ 0.8658, 0.1145,
0.1227

■ 153.5315, 0.2660,
0.2808

■ 0.0000, 0.0000,
0.0000

190.5863, 0.2692,

0.2841

233.1695, 0.2719,
0.2869

■ 25.7729, 0.2309,
0.2444

■ 25.7729, 0.2309,
0.2444

■ 21.8804, 0.2156,
0.2240

■ 30.2208, 0.2471,
0.2640

■ 18.5128, 0.2018,
0.2031

■ 35.2468, 0.2636,
0.2822

■ 15.6402, 0.1899,
0.1824

■ 40.8752, 0.2801,
0.2991

■ 13.2270, 0.1805,
0.1626

■ 47.1283, 0.2962,
0.3143

■ 11.3520, 0.1738,
0.1455

■ 54.0267, 0.3116,
0.3280

■ 61.5904, 0.3261,
0.3402

■ 69.8380, 0.3398,
0.3509

■ 78.7878, 0.3525,
0.3603

■ 85.1863, 0.3524,
0.3702

Harmonies

Analogous

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



25.7729, 0.2143, 0.2650



25.7729, 0.2309, 0.2444



25.7729, 0.2685, 0.2447

Triad

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



25.7729, 0.2309, 0.2444



25.7729, 0.4143, 0.3375



25.7729, 0.2968, 0.4103

Complementary

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



25.7729, 0.2309, 0.2444



33.9540, 0.4157, 0.3991

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.



25.7729, 0.3509, 0.4293



25.7729, 0.2309, 0.2444



25.7729, 0.4214, 0.3802

Square

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



25.7729, 0.2309, 0.2444



25.7729, 0.3764, 0.2962



25.7729, 0.3970, 0.4152



25.7729, 0.2496, 0.3621

Rectangle

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



25.7729, 0.2309, 0.2444



25.7729, 0.3028, 0.2553



25.7729, 0.3970, 0.4152



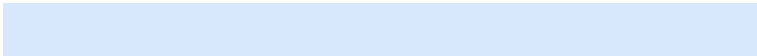
25.7729, 0.3148, 0.4206

Sweetspot

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



25.7738, 0.2309, 0.2444



79.2505, 0.2891, 0.3077



43.6899, 0.2738, 0.4021



16.8308, 0.2856, 0.3044



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



25.7738, 0.2309, 0.2444



38.4221, 0.2139, 0.2215



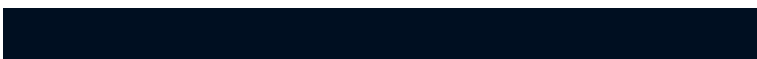
14.9789, 0.2191, 0.1708



10.5019, 0.2984, 0.3163



7.5415, 0.1744, 0.1479



0.4636, 0.1863, 0.1906

Inverse Universe

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



21.9252, 0.3867, 0.2685



32.5021, 0.4124, 0.2579



51.0530, 0.3832, 0.4518



10.1540, 0.3218, 0.3184



8.0436, 0.5086, 0.2575



0.3614, 0.4560, 0.2286

Previews

White Background



This preview shows how the Yxy color 25.7729, 0.2309, 0.2444 looks on a white background.

Color Contrast Check

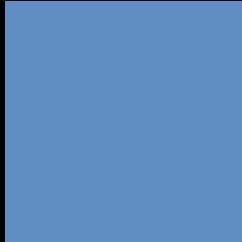
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7729, 0.2309, 0.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

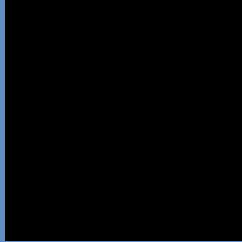
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

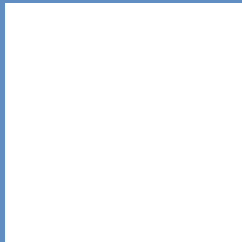
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.7729, 0.2309, 0.2444

Background



This preview shows how black text looks on a background with the Yxy color 25.7729, 0.2309, 0.2444.

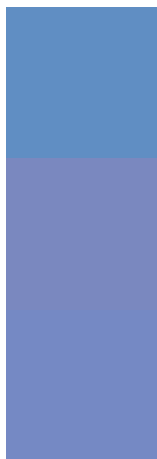


This preview shows how white text looks on a background with the Yxy color 25.7729, 0.2309, 0.2444.

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

25.7729, 0.2309, 0.2444

Protanopia

25.5075, 0.2509, 0.2439

Deuteranopia

25.6588, 0.2437, 0.2382



Tritanopia

25.6492, 0.2478, 0.3074

Trichromacy



Original Color

25.7729, 0.2309, 0.2444

Protanomaly

25.4934, 0.2435, 0.2443

Deuteranomaly

25.7020, 0.2382, 0.2401

Tritanomaly

25.6987, 0.2412, 0.2825

Monochromacy



Original Color

25.7729, 0.2309, 0.2444

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.2847, 0.2770, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7729, 0.2309, 0.2444 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(96, 142, 195)` looks like.

```
.text, #text, p{  
    color:rgb(96, 142, 195)  
}
```

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(96, 142, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 142, 195) }
```

Border

The CSS property to change the border of an element to Yxy 25.7729, 0.2309, 0.2444 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(96, 142, 195) }
```

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

```
.border{ border-color:rgb(96, 142, 195) }
```

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

Here you see how a box with a 4 pixel rgb(96, 142, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 142, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 142, 195);  
box-shadow:4px 4px 4px 4px rgb(96, 142,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7729, 0.2309, 0.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 142, 195) }
```

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

```
.background{ background-color: rgb(96, 142,  
195) }
```

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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