

Converting Colors

$Y_{xy}(24.4699, 0.2237, 0.2399)$

Have a look what the booklet for
Yxy(24.4699, 0.2237, 0.2399)
contains.

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Color

Yxy(24.5825, 0.2241, 0.2409)

Conversions

Conversions Part 1

Format	Color
Hex	558CC2
RGB	85, 140, 194
RGB Percent	33%, 55%, 76%
CMY	0.6664, 0.4510, 0.2391
CMYK	0.56, 0.28, 0.00, 0.24
HSL	210°, 47%, 55%
HSV	210°, 56%, 76%
XYZ	22.8682, 24.5825, 54.5938
YIQ	129.7110, -50.1140, 5.1340

Conversions

Conversions Part 2

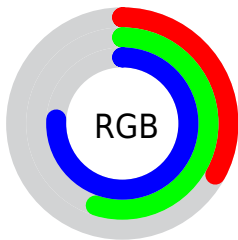
Format	Color
R_{YB}	85, 122, 194
Decimal	5606594
CIE _{Lab}	56.67, -2.24, -33.60
CIE _{LCh}	57, 33.675, 266.193
Yxy	24.5825, 0.2241, 0.2409
Android (android.graphics.Color)	4283796674 (0xFF558CC2)
YUV	129.7110, 31.6945, -39.2115
Hunter-Lab	49.5807, -4.4366, -30.5782

Details

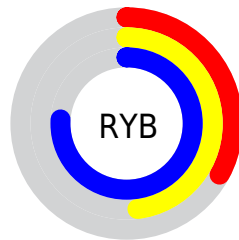
The Yxy color **24.5825, 0.2241, 0.2409** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **30.6239, 0.4330, 0.4001**, and the grayscale version is **22.1206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8557, 0.2417, 0.2581**, and **9.3159, 0.1952, 0.2114** is the 20% darker color. If you saturate the color by 10%, you get **21.1057, 0.2101, 0.2218**, and if you desaturate by 10%, it is **28.5560, 0.2393, 0.2594**.

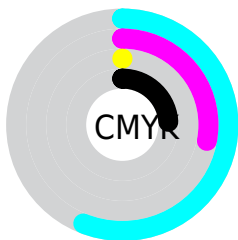
Distribution



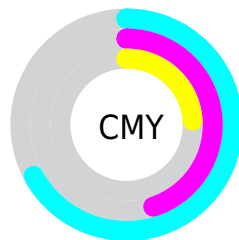
- Red (33%)
- Green (55%)
- Blue (76%)



- Red (33%)
- Yellow (48%)
- Blue (76%)



- Cyan (56%)
- Magenta (28%)
- Yellow (0%)
- Black (24%)



- Cyan (67%)
- Magenta (45%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5825, 0.2241, 0.2409 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 24.5825, 0.2241, 0.2409 by changing the saturation by 10% instead.

■ 24.5825, 0.2241,
0.2409

■ 24.5825, 0.2241,
0.2409

275.7523, 0.2713,
0.2882

■ 15.7663, 0.2116,
0.2283

■ 50.9791, 0.2418,
0.2587

■ 9.3589, 0.1954,
0.2117

■ 69.3283, 0.2483,
0.2652

■ 4.9760, 0.1734,
0.1893

■ 91.6239, 0.2537,
0.2707

■ 2.2332, 0.1429,
0.1578

■ 118.2503, 0.2583,
0.2752

■ 0.7380, 0.0979,
0.1116

149.5920, 0.2622,
0.2792

■ 0.0000, 0.0000,
0.0000

186.0333, 0.2657,

0.2826

227.9586, 0.2686,
0.2855

■ 24.5825, 0.2241,
0.2409

■ 24.5825, 0.2241,
0.2409

■ 21.1057, 0.2101,
0.2218

■ 28.5560, 0.2393,
0.2594

■ 18.0958, 0.1978,
0.2024

■ 33.0480, 0.2553,
0.2769

■ 15.5229, 0.1877,
0.1834

■ 38.0822, 0.2716,
0.2932

■ 13.3491, 0.1800,
0.1653

■ 43.6795, 0.2877,
0.3080

■ 12.5951, 0.1774,
0.1586

■ 49.8596, 0.3034,
0.3214

■ 56.6413, 0.3184,
0.3334

■ 64.0423, 0.3327,
0.3441

■ 72.0795, 0.3461,
0.3535

■ 79.8696, 0.3552,
0.3621

Harmonies

Analogous

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



24.5825, 0.2088, 0.2643



24.5825, 0.2241, 0.2409



24.5825, 0.2617, 0.2396

Triad

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



24.5825, 0.2241, 0.2409



24.5825, 0.4179, 0.3335



24.5825, 0.3006, 0.4188

Complementary

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



24.5825, 0.2241, 0.2409



30.6239, 0.4330, 0.4001

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.



24.5825, 0.3576, 0.4353



24.5825, 0.2241, 0.2409



24.5825, 0.4283, 0.3786

Square

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



24.5825, 0.2241, 0.2409



24.5825, 0.3753, 0.2908



24.5825, 0.4050, 0.4171



24.5825, 0.2497, 0.3693

Rectangle

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



24.5825, 0.2241, 0.2409



24.5825, 0.2969, 0.2496



24.5825, 0.4050, 0.4171



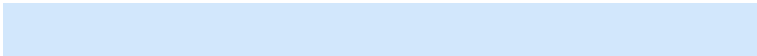
24.5825, 0.3197, 0.4286

Sweetspot

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



24.5834, 0.2241, 0.2409



77.9354, 0.2859, 0.3064



42.3568, 0.2744, 0.4209



16.5984, 0.2826, 0.3035



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.



24.5834, 0.2241, 0.2409



37.1258, 0.2076, 0.2181



12.6271, 0.2057, 0.1538



10.5682, 0.2984, 0.3173



8.4428, 0.1780, 0.1609



0.5026, 0.1893, 0.2013

Inverse Universe

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



19.8728, 0.3919, 0.2575



29.8618, 0.4183, 0.2471



49.9215, 0.3937, 0.4593



10.1607, 0.3212, 0.3175



8.1345, 0.4920, 0.2484



0.3654, 0.4438, 0.2219

Previews

White Background



This preview shows how the Yxy color 24.5825, 0.2241, 0.2409 looks on a white background.

Color Contrast Check

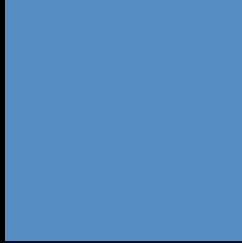
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5825, 0.2241, 0.2409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

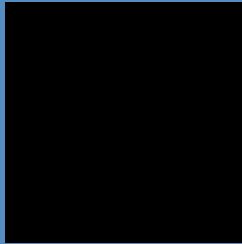
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5825, 0.2241, 0.2409

Background



This preview shows how black text looks on a background with the Yxy color 24.5825, 0.2241, 0.2409.

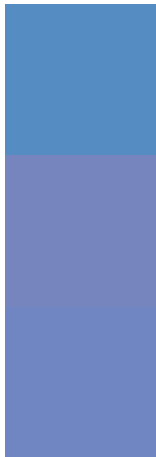


This preview shows how white text looks on a background with the Yxy color 24.5825, 0.2241, 0.2409.

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

24.5825, 0.2241, 0.2409

Protanopia

24.3007, 0.2483, 0.2409

Deuteranopia

24.4351, 0.2397, 0.2338



Tritanopia

24.7102, 0.2395, 0.3068

Trichromacy



Original Color

24.5825, 0.2241, 0.2409

Protanomaly

24.4341, 0.2384, 0.2412

Deuteranomaly

24.3732, 0.2330, 0.2353

Tritanomaly

24.4616, 0.2330, 0.2794

Monochromacy



Original Color

24.5825, 0.2241, 0.2409

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.9275, 0.2734, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5825, 0.2241, 0.2409 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(85, 140, 194)` looks like.

```
.text, #text, p{  
    color:rgb(85, 140, 194)  
}
```

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(85, 140, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 140, 194) }
```

Border

The CSS property to change the border of an element to Yxy 24.5825, 0.2241, 0.2409 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(85, 140, 194) }
```

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

```
.border{ border-color:rgb(85, 140, 194) }
```

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

Here you see how a box with a 4 pixel rgb(85, 140, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 140, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 140, 194);  
box-shadow:4px 4px 4px 4px rgb(85, 140,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5825, 0.2241, 0.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 140, 194) }
```

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

```
.background{ background-color: rgb(85, 140,  
194) }
```

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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