

Converting Colors

$Y_{xy}(24.6748, 0.2198, 0.2085)$

Have a look what the booklet for
Yxy(24.6748, 0.2198, 0.2085)
contains.

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Color

Yxy(24.6658, 0.2200, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	6486D7
RGB	100, 134, 215
RGB Percent	39%, 53%, 84%
CMY	0.6077, 0.4745, 0.1567
CMYK	0.53, 0.38, 0.00, 0.16
HSL	222°, 59%, 62%
HSV	222°, 53%, 84%
XYZ	26.0513, 24.6658, 67.6977
YIQ	133.0680, -46.2650, 17.9830

Conversions

Conversions Part 2

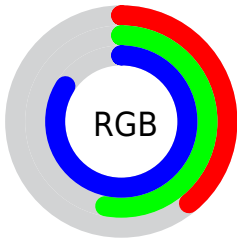
Format	Color
RYB	100, 126, 215
Decimal	6588119
CIELab	56.75, 11.22, -45.27
CIElCh	57, 46.641, 283.917
Yxy	24.6658, 0.2200, 0.2083
Android (android.graphics.Color)	4284778199 (0xFF6486D7)
YUV	133.0680, 40.3925, -29.0006
Hunter-Lab	49.6647, 6.7177, -46.0527

Details

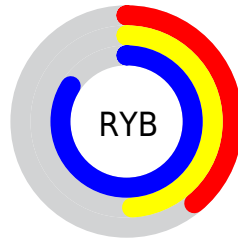
The Yxy color **24.6658, 0.2200, 0.2083** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **48.4472, 0.4102, 0.4240**, and the grayscale version is **23.3468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9287, 0.2470, 0.2481**, and **9.4284, 0.1907, 0.1736** is the 20% darker color. If you saturate the color by 10%, you get **19.7052, 0.2027, 0.1813**, and if you desaturate by 10%, it is **30.5518, 0.2382, 0.2348**.

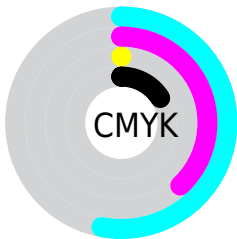
Distribution



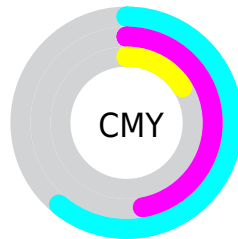
- Red (39%)
- Green (53%)
- Blue (84%)



- Red (39%)
- Yellow (49%)
- Blue (84%)



- Cyan (53%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)



- Cyan (61%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6658, 0.2200, 0.2083 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 24.6658, 0.2200, 0.2083 by changing the saturation by 10% instead.

■ 24.6658, 0.2200,
0.2083

■ 24.6658, 0.2200,
0.2083

276.1695, 0.2692,
0.2701

■ 15.8282, 0.2072,
0.1930

■ 51.1145, 0.2384,
0.2308

■ 9.4027, 0.1908,
0.1737

■ 69.4945, 0.2451,
0.2393

■ 5.0048, 0.1690,
0.1489

■ 91.8240, 0.2508,
0.2464

■ 2.2501, 0.1396,
0.1168

■ 118.4876, 0.2556,
0.2525

■ 0.7471, 0.0997,
0.0751

149.8695, 0.2597,
0.2578

■ 0.0000, 0.0000,
0.0000

186.3542, 0.2633,

0.2624

228.3261, 0.2665,
0.2665

■ 24.6658, 0.2200,
0.2083

■ 24.6658, 0.2200,
0.2083

■ 19.7052, 0.2027,
0.1813

■ 30.5518, 0.2382,
0.2348

■ 15.6160, 0.1872,
0.1549

■ 37.4078, 0.2566,
0.2599

■ 12.3417, 0.1744,
0.1304

■ 45.2782, 0.2745,
0.2831

■ 9.8167, 0.1649,
0.1090

■ 54.2040, 0.2916,
0.3042

■ 8.5190, 0.1603,
0.0970

■ 64.2236, 0.3075,
0.3230

■ 75.3736, 0.3221,
0.3396

■ 87.6887, 0.3355,
0.3541

■ 97.6878, 0.3363,
0.3681

Harmonies

Analogous

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



24.6658, 0.1837, 0.2193



24.6658, 0.2200, 0.2083



24.6658, 0.2839, 0.2225

Triad

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



24.6658, 0.2200, 0.2083



24.6658, 0.4717, 0.3657



24.6658, 0.2510, 0.4194

Complementary

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



24.6658, 0.2200, 0.2083



48.4472, 0.4102, 0.4240

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.



24.6658, 0.3245, 0.4733



24.6658, 0.2200, 0.2083



24.6658, 0.4542, 0.4234

Square

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



24.6658, 0.2200, 0.2083



24.6658, 0.4388, 0.3080



24.6658, 0.3989, 0.4681



24.6658, 0.1982, 0.3330

Rectangle

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



24.6658, 0.2200, 0.2083



24.6658, 0.3377, 0.2439



24.6658, 0.3989, 0.4681



24.6658, 0.2741, 0.4434

Sweetspot

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



24.6666, 0.2200, 0.2083



76.0747, 0.2871, 0.2988



54.6441, 0.2620, 0.3781



15.6900, 0.2836, 0.2945



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.



24.6666, 0.2200, 0.2083



28.2405, 0.2008, 0.1782



18.2407, 0.2278, 0.1662



12.6005, 0.2982, 0.3121



5.2550, 0.1610, 0.0996



0.4598, 0.1707, 0.1344

Inverse Universe

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



25.2924, 0.4208, 0.2885



30.7731, 0.4581, 0.2831



60.7472, 0.3710, 0.4661



12.4806, 0.3245, 0.3221



8.8753, 0.5765, 0.2949



0.5497, 0.5266, 0.2675

Previews

White Background



This preview shows how the Yxy color 24.6658, 0.2200, 0.2083 looks on a white background.

Color Contrast Check

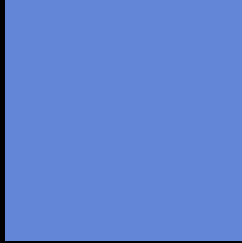
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6658, 0.2200, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

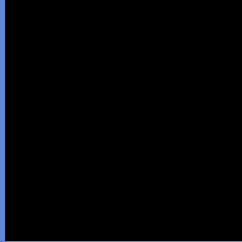
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6658, 0.2200, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 24.6658, 0.2200, 0.2083.

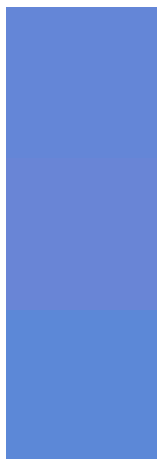


This preview shows how white text looks on a background with the Yxy color 24.6658, 0.2200, 0.2083.

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

24.6658, 0.2200, 0.2083

Protanopia

24.6334, 0.2234, 0.2088

Deuteranopia

24.7899, 0.2160, 0.2101



Tritanopia

24.7319, 0.2452, 0.3070

Trichromacy



Original Color

24.6658, 0.2200, 0.2083

Protanomaly

24.5137, 0.2221, 0.2084

Deuteranomaly

24.6671, 0.2173, 0.2090

Tritanomaly

24.6269, 0.2347, 0.2659

Monochromacy



Original Color

24.6658, 0.2200, 0.2083

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.4843, 0.2713, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6658, 0.2200, 0.2083 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, 134, 215)` looks like.

```
.text, #text, p{  
    color:rgb(100, 134, 215)  
}
```

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, 134, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 134, 215) }
```

Border

The CSS property to change the border of an element to Yxy 24.6658, 0.2200, 0.2083 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, 134, 215) }
```

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

```
.border{ border-color:rgb(100, 134, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 134, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 134, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 134, 215); box-shadow:4px 4px 4px 4px rgb(100, 134, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6658, 0.2200, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 134, 215) }
```

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

```
.background{ background-color: rgb(100,  
134, 215) }
```

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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