

Converting Colors

$Y_{xy}(22.6613, 0.2235, 0.2091)$

Have a look what the booklet for
Yxy(22.6613, 0.2235, 0.2091)
contains.

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Color

$\text{Yxy}(22.6613, 0.2235, 0.2091)$

Conversions

Conversions Part 1

Format	Color
Hex	6580CE
RGB	101, 128, 206
RGB Percent	40%, 50%, 81%
CMY	0.6041, 0.4980, 0.1921
CMYK	0.51, 0.38, 0.00, 0.19
HSL	225°, 52%, 60%
HSV	225°, 51%, 81%
XYZ	24.2219, 22.6613, 61.4922
YIQ	128.8190, -41.1300, 18.5340

Conversions

Conversions Part 2

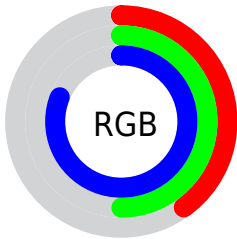
Format	Color
R_{YB}	101, 122, 206
Decimal	6652110
CIE _{Lab}	54.72, 12.17, -43.38
CIE _{LCh}	55, 45.056, 285.665
Yxy	22.6613, 0.2235, 0.2091
Android (android.graphics.Color)	4284842190 (0xFF6580CE)
YUV	128.8190, 38.0502, -24.3973
Hunter-Lab	47.6039, 7.5179, -43.2650

Details

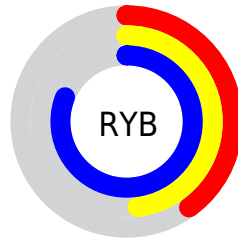
The Yxy color **22.6613, 0.2235, 0.2091** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **46.2747, 0.4025, 0.4242**, and the grayscale version is **21.7588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4358, 0.2459, 0.2406**, and **8.2977, 0.1937, 0.1729** is the 20% darker color. If you saturate the color by 10%, you get **17.9253, 0.2055, 0.1810**, and if you desaturate by 10%, it is **28.2981, 0.2422, 0.2366**.

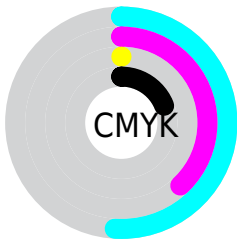
Distribution



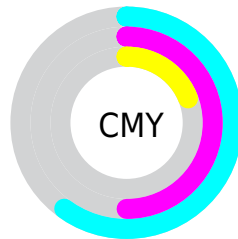
- Red (40%)
- Green (50%)
- Blue (81%)



- Red (40%)
- Yellow (48%)
- Blue (81%)



- Cyan (51%)
- Magenta (38%)
- Yellow (0%)
- Black (19%)



- Cyan (60%)
- Magenta (50%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6613, 0.2235, 0.2091 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 22.6613, 0.2235, 0.2091 by changing the saturation by 10% instead.

■ 22.6613, 0.2235,
0.2091

■ 22.6613, 0.2235,
0.2091

265.9806, 0.2717,
0.2713

■ 14.3436, 0.2107,
0.1934

■ 47.8366, 0.2417,
0.2320

■ 8.3600, 0.1940,
0.1735

■ 65.4630, 0.2483,
0.2405

■ 4.3262, 0.1716,
0.1476

■ 86.9610, 0.2539,
0.2477

■ 1.8576, 0.1407,
0.1138

■ 112.7152, 0.2585,
0.2538

■ 0.5227, 0.0985,
0.0649

143.1098, 0.2625,
0.2591

■ 0.0000, 0.0000,
0.0000

178.5293, 0.2660,

0.2637

219.3581, 0.2690,
0.2677

■ 22.6613, 0.2235,
0.2091

■ 22.6613, 0.2235,
0.2091

■ 17.9253, 0.2055,
0.1810

■ 28.2981, 0.2422,
0.2366

■ 14.0382, 0.1890,
0.1534

■ 34.8788, 0.2609,
0.2626

■ 10.9459, 0.1752,
0.1278

■ 42.4465, 0.2788,
0.2865

■ 8.5862, 0.1647,
0.1056

■ 51.0407, 0.2957,
0.3080

■ 7.0100, 0.1581,
0.0893

■ 60.6989, 0.3112,
0.3272

■ 71.4565, 0.3254,
0.3441

■ 83.3473, 0.3383,
0.3588

■ 94.3078, 0.3426,
0.3727

■ 97.2364, 0.3418,
0.3770

Harmonies

Analogous

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



22.6613, 0.1857, 0.2185



22.6613, 0.2235, 0.2091



22.6613, 0.2885, 0.2245

Triad

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



22.6613, 0.2235, 0.2091



22.6613, 0.4710, 0.3690



22.6613, 0.2476, 0.4142

Complementary

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



22.6613, 0.2235, 0.2091



46.2747, 0.4025, 0.4242

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.



22.6613, 0.3200, 0.4708



22.6613, 0.2235, 0.2091



22.6613, 0.4511, 0.4261

Square

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



22.6613, 0.2235, 0.2091



22.6613, 0.4412, 0.3114



22.6613, 0.3945, 0.4690



22.6613, 0.1967, 0.3281

Rectangle

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



22.6613, 0.2235, 0.2091



22.6613, 0.3425, 0.2467



22.6613, 0.3945, 0.4690



22.6613, 0.2702, 0.4388

Sweetspot

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



22.6621, 0.2235, 0.2091



76.6561, 0.2887, 0.2993



50.1220, 0.2617, 0.3699



15.7736, 0.2851, 0.2947



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.



22.6621, 0.2235, 0.2091



28.5171, 0.2041, 0.1788



18.1475, 0.2359, 0.1761



11.3061, 0.2983, 0.3113



4.4506, 0.1588, 0.0916



0.3555, 0.1697, 0.1309

Inverse Universe

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



23.9779, 0.4185, 0.2951



32.1488, 0.4554, 0.2902



54.9663, 0.3658, 0.4613



11.2603, 0.3250, 0.3230



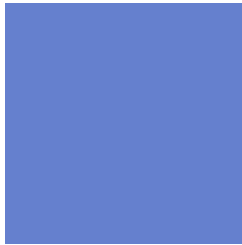
8.2523, 0.5886, 0.3016



0.4384, 0.5314, 0.2701

Previews

White Background



This preview shows how the Yxy color 22.6613, 0.2235, 0.2091 looks on a white background.

Color Contrast Check

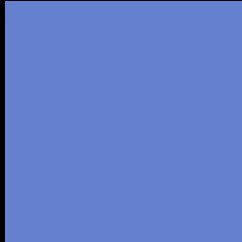
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6613, 0.2235, 0.2091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

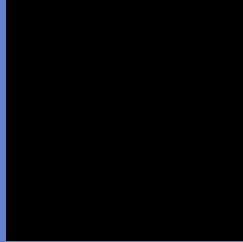
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6613, 0.2235, 0.2091

Background



This preview shows how black text looks on a background with the Yxy color 22.6613, 0.2235, 0.2091.



This preview shows how white text looks on a background with the Yxy color 22.6613, 0.2235, 0.2091.

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

22.6613, 0.2235, 0.2091

Protanopia

22.6613, 0.2235, 0.2091

Deuteranopia

22.8140, 0.2180, 0.2130



Tritanopia

22.8295, 0.2502, 0.3082

Trichromacy



Original Color

22.6613, 0.2235, 0.2091

Protanomaly

22.6613, 0.2235, 0.2091

Deuteranomaly

22.7527, 0.2202, 0.2121

Tritanomaly

22.7223, 0.2398, 0.2675

Monochromacy



Original Color

22.6613, 0.2235, 0.2091

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0568, 0.2740, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6613, 0.2235, 0.2091 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(101, 128, 206)` looks like.

```
.text, #text, p{  
    color:rgb(101, 128, 206)  
}
```

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(101, 128, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 128, 206) }
```

Border

The CSS property to change the border of an element to Yxy 22.6613, 0.2235, 0.2091 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(101, 128, 206) }
```

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

```
.border{ border-color:rgb(101, 128, 206) }
```

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

Here you see how a box with a 4 pixel rgb(101, 128, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 128, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 128, 206);  
box-shadow:4px 4px 4px 4px rgb(101, 128,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6613, 0.2235, 0.2091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 128, 206) }
```

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

```
.background{ background-color: rgb(101,  
128, 206) }
```

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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