

Converting Colors

$Y_{xy}(22.3808, 0.2191, 0.2054)$

Have a look what the booklet for
Yxy(22.3808, 0.2191, 0.2054)
contains.

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Color

Yxy(22.4792, 0.2192, 0.2059)

Conversions

Conversions Part 1

Format	Color
Hex	6080D0
RGB	96, 128, 208
RGB Percent	38%, 50%, 82%
CMY	0.6235, 0.4981, 0.1842
CMYK	0.54, 0.38, 0.00, 0.18
HSL	223°, 54%, 60%
HSV	223°, 54%, 82%
XYZ	23.9312, 22.4792, 62.7649
YIQ	127.5520, -44.7520, 18.0960

Conversions

Conversions Part 2

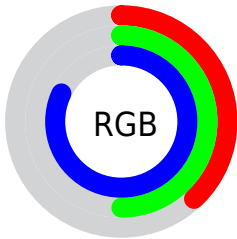
Format	Color
R _Y B	96, 121, 208
Decimal	6324432
CIE Lab	54.53, 11.71, -44.84
CIE LCh	55, 46.347, 284.636
Yxy	22.4792, 0.2192, 0.2059
Android (android.graphics.Color)	4284514512 (0xFF6080D0)
YUV	127.5520, 39.6609, -27.6711
Hunter-Lab	47.4122, 7.1261, -45.3003

Details

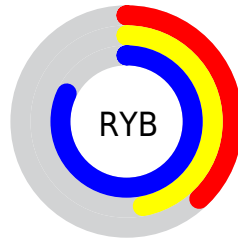
The Yxy color **22.4792, 0.2192, 0.2059** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **45.3259, 0.4100, 0.4256**, and the grayscale version is **21.2972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6348, 0.2433, 0.2388**, and **8.2152, 0.1886, 0.1689** is the 20% darker color. If you saturate the color by 10%, you get **17.8994, 0.2019, 0.1786**, and if you desaturate by 10%, it is **27.9270, 0.2375, 0.2327**.

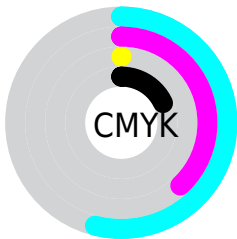
Distribution



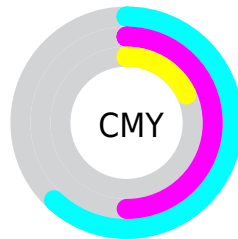
- Red (38%)
- Green (50%)
- Blue (82%)



- Red (38%)
- Yellow (47%)
- Blue (82%)



- Cyan (54%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4792, 0.2192, 0.2059 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 22.4792, 0.2192, 0.2059 by changing the saturation by 10% instead.

■ 22.4792, 0.2192,
0.2059

■ 22.4792, 0.2192,
0.2059

265.0387, 0.2696,
0.2697

■ 14.2094, 0.2059,
0.1899

■ 47.5367, 0.2381,
0.2293

■ 8.2665, 0.1886,
0.1696

■ 65.0933, 0.2451,
0.2380

■ 4.2659, 0.1656,
0.1434

■ 86.5143, 0.2509,
0.2454

■ 1.8234, 0.1343,
0.1094

■ 112.1840, 0.2558,
0.2517

■ 0.5017, 0.0919,
0.0605

142.4869, 0.2600,
0.2571

■ 0.0000, 0.0000,
0.0000

177.8074, 0.2636,

0.2619

218.5298, 0.2668,
0.2660

■ 22.4792, 0.2192,
0.2059

■ 22.4792, 0.2192,
0.2059

■ 17.8994, 0.2019,
0.1786

■ 27.9270, 0.2375,
0.2327

■ 14.1366, 0.1864,
0.1521

■ 34.2850, 0.2559,
0.2582

■ 11.1374, 0.1736,
0.1275

■ 41.5954, 0.2739,
0.2818

■ 8.8394, 0.1641,
0.1063

■ 49.8968, 0.2910,
0.3032

■ 7.7231, 0.1598,
0.0951

■ 59.2256, 0.3069,
0.3223

■ 69.6162, 0.3216,
0.3391

■ 81.1017, 0.3349,
0.3539

■ 92.2756, 0.3419,
0.3675

■ 97.3351, 0.3406,
0.3750

Harmonies

Analogous

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



22.4792, 0.1816, 0.2162



22.4792, 0.2192, 0.2059



22.4792, 0.2849, 0.2209

Triad

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



22.4792, 0.2192, 0.2059



22.4792, 0.4756, 0.3674



22.4792, 0.2477, 0.4200

Complementary

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



22.4792, 0.2192, 0.2059



45.3259, 0.4100, 0.4256

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.



22.4792, 0.3225, 0.4766



22.4792, 0.2192, 0.2059



22.4792, 0.4563, 0.4263

Square

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



22.4792, 0.2192, 0.2059



22.4792, 0.4433, 0.3087



22.4792, 0.3987, 0.4720



22.4792, 0.1948, 0.3307

Rectangle

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



22.4792, 0.2192, 0.2059



22.4792, 0.3403, 0.2431



22.4792, 0.3987, 0.4720



22.4792, 0.2711, 0.4450

Sweetspot

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



22.4800, 0.2192, 0.2059



75.8565, 0.2871, 0.2983



50.6820, 0.2618, 0.3784



15.6384, 0.2836, 0.2940



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.



22.4800, 0.2192, 0.2059



27.1258, 0.1987, 0.1734



16.8053, 0.2273, 0.1654



11.9596, 0.2982, 0.3119



4.9563, 0.1604, 0.0975



0.4132, 0.1707, 0.1346

Inverse Universe

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



23.3405, 0.4232, 0.2897



30.2403, 0.4639, 0.2845



56.3582, 0.3712, 0.4666



11.8630, 0.3246, 0.3224



8.5716, 0.5796, 0.2967



0.4930, 0.5263, 0.2673

Previews

White Background



This preview shows how the Yxy color 22.4792, 0.2192, 0.2059 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 22.4792, 0.2192, 0.2059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

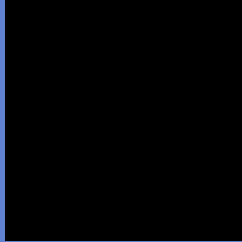
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4792, 0.2192, 0.2059

Background



This preview shows how black text looks on a background with the Yxy color 22.4792, 0.2192, 0.2059.

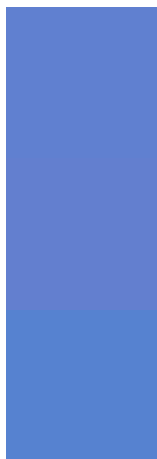


This preview shows how white text looks on a background with the Yxy color 22.4792, 0.2192, 0.2059.

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

22.4792, 0.2192, 0.2059

Protanopia

22.3364, 0.2214, 0.2060

Deuteranopia

22.4978, 0.2139, 0.2074



Tritanopia

22.5270, 0.2453, 0.3079

Trichromacy



Original Color

22.4792, 0.2192, 0.2059

Protanomaly

22.2804, 0.2207, 0.2058

Deuteranomaly

22.4282, 0.2159, 0.2064

Tritanomaly

22.4259, 0.2344, 0.2652

Monochromacy



Original Color

22.4792, 0.2192, 0.2059

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.5857, 0.2709, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4792, 0.2192, 0.2059 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, 128, 208)` looks like.

```
.text, #text, p{  
    color:rgb(96, 128, 208)  
}
```

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, 128, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 128, 208) }
```

Border

The CSS property to change the border of an element to Yxy 22.4792, 0.2192, 0.2059 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, 128, 208) }
```

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

```
.border{ border-color:rgb(96, 128, 208) }
```

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

Here you see how a box with a 4 pixel rgb(96, 128, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 128, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 128, 208);  
box-shadow:4px 4px 4px 4px rgb(96, 128,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4792, 0.2192, 0.2059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 128, 208) }
```

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

```
.background{ background-color: rgb(96, 128,  
208) }
```

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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