

Converting Colors

$Y_{xy}(21.8937, 0.2286, 0.2270)$

Have a look what the booklet for
Yxy(21.8937, 0.2286, 0.2270)
contains.

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Color

Yxy(21.9489, 0.2290, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	6081BF
RGB	96, 129, 191
RGB Percent	38%, 51%, 75%
CMY	0.6238, 0.4941, 0.2509
CMYK	0.50, 0.32, 0.00, 0.25
HSL	219°, 43%, 56%
HSV	219°, 50%, 75%
XYZ	22.0742, 21.9489, 52.3708
YIQ	126.2010, -39.5700, 12.2860

Conversions

Conversions Part 2

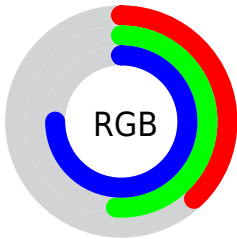
Format	Color
R_{YB}	96, 120, 191
Decimal	6324671
CIE _{Lab}	53.97, 5.73, -36.06
CIE _{LCh}	54, 36.512, 279.034
Yxy	21.9489, 0.2290, 0.2277
Android (android.graphics.Color)	4284514751 (0xFF6081BF)
YUV	126.2010, 31.9459, -26.4863
Hunter-Lab	46.8497, 2.1172, -33.4825

Details

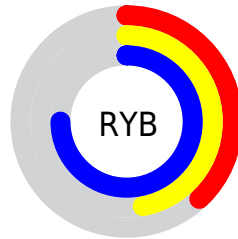
The Yxy color **21.9489, 0.2290, 0.2277** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **36.3550, 0.4054, 0.4115**, and the grayscale version is **20.8319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8125, 0.2461, 0.2482**, and **7.9555, 0.2000, 0.1945** is the 20% darker color. If you saturate the color by 10%, you get **17.9527, 0.2120, 0.2029**, and if you desaturate by 10%, it is **26.5984, 0.2466, 0.2516**.

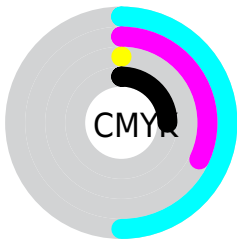
Distribution



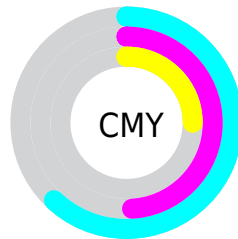
- Red (38%)
- Green (51%)
- Blue (75%)



- Red (38%)
- Yellow (47%)
- Blue (75%)



- Cyan (50%)
- Magenta (32%)
- Yellow (0%)
- Black (25%)



- Cyan (62%)
- Magenta (49%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9489, 0.2290, 0.2277 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 21.9489, 0.2290, 0.2277 by changing the saturation by 10% instead.

■ 21.9489, 0.2290,
0.2277

■ 21.9489, 0.2290,
0.2277

262.2793, 0.2746,
0.2818

■ 13.8194, 0.2166,
0.2134

■ 46.6615, 0.2464,
0.2480

■ 7.9951, 0.2002,
0.1947

■ 64.0134, 0.2527,
0.2555

■ 4.0918, 0.1778,
0.1696

■ 85.2082, 0.2579,
0.2617

■ 1.7251, 0.1461,
0.1349

■ 110.6302, 0.2623,
0.2670

■ 0.4398, 0.0968,
0.0763

140.6640, 0.2660,
0.2715

■ 0.0000, 0.0000,
0.0000

175.6938, 0.2693,

0.2754

216.1041, 0.2721,
0.2788

■ 21.9489, 0.2290,
0.2277

■ 21.9489, 0.2290,
0.2277

■ 17.9527, 0.2120,
0.2029

■ 26.5984, 0.2466,
0.2516

■ 14.5746, 0.1964,
0.1779

■ 31.9291, 0.2642,
0.2739

■ 11.7791, 0.1830,
0.1537

■ 37.9701, 0.2814,
0.2944

■ 9.5250, 0.1723,
0.1314

■ 44.7479, 0.2977,
0.3129

■ 7.7473, 0.1644,
0.1117

■ 52.2875, 0.3131,
0.3294

■ 7.7111, 0.1643,
0.1113

■ 60.6127, 0.3272,
0.3439

■ 69.7463, 0.3403,
0.3567

■ 79.7101, 0.3522,
0.3679

■ 88.0054, 0.3539,
0.3792

Harmonies

Analogous

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



21.9489, 0.2015, 0.2422



21.9489, 0.2290, 0.2277



21.9489, 0.2797, 0.2361

Triad

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



21.9489, 0.2290, 0.2277



21.9489, 0.4410, 0.3544



21.9489, 0.2723, 0.4106

Complementary

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



21.9489, 0.2290, 0.2277



36.3550, 0.4054, 0.4115

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.



21.9489, 0.3350, 0.4471



21.9489, 0.2290, 0.2277



21.9489, 0.4350, 0.4030

Square

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



21.9489, 0.2290, 0.2277



21.9489, 0.4073, 0.3054



21.9489, 0.3948, 0.4400



21.9489, 0.2237, 0.3448

Rectangle

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



21.9489, 0.2290, 0.2277



21.9489, 0.3229, 0.2526



21.9489, 0.3948, 0.4400



21.9489, 0.2924, 0.4275

Sweetspot

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



21.9497, 0.2290, 0.2277



73.3329, 0.2889, 0.3030



42.2107, 0.2676, 0.3816



15.5441, 0.2854, 0.2990



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.9497, 0.2290, 0.2277



31.3804, 0.2101, 0.1999



15.4449, 0.2311, 0.1781



9.7536, 0.2984, 0.3136



5.2042, 0.1649, 0.1138



0.3281, 0.1789, 0.1641

Inverse Universe

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



21.0183, 0.4009, 0.2843



30.9705, 0.4330, 0.2766



47.4291, 0.3718, 0.4543



9.5897, 0.3235, 0.3210



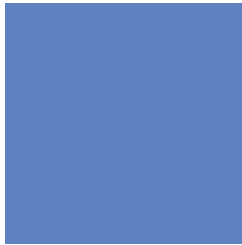
7.5551, 0.5556, 0.2834



0.3085, 0.4879, 0.2462

Previews

White Background



This preview shows how the Yxy color 21.9489, 0.2290, 0.2277 looks on a white background.

Color Contrast Check

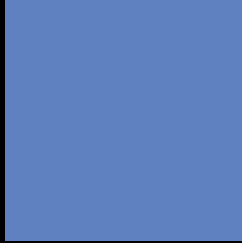
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9489, 0.2290, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

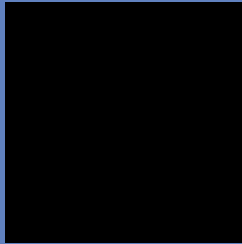
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

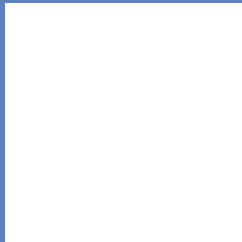
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9489, 0.2290, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 21.9489, 0.2290, 0.2277.

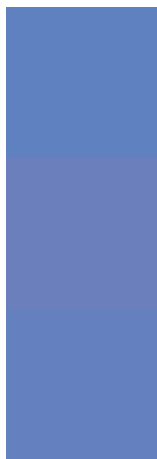


This preview shows how white text looks on a background with the Yxy color 21.9489, 0.2290, 0.2277.

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

21.9489, 0.2290, 0.2277

Protanopia

22.0410, 0.2387, 0.2291

Deuteranopia

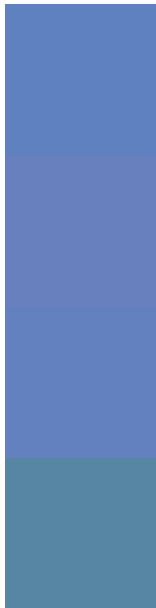
21.9666, 0.2323, 0.2269



Tritanopia

21.8233, 0.2507, 0.3079

Trichromacy



Original Color

21.9489, 0.2290, 0.2277

Protanomaly

22.0991, 0.2352, 0.2288

Deuteranomaly

21.8526, 0.2309, 0.2266

Tritanomaly

21.7568, 0.2418, 0.2746

Monochromacy



Original Color

21.9489, 0.2290, 0.2277

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0256, 0.2761, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9489, 0.2290, 0.2277 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, 129, 191)` looks like.

```
.text, #text, p{  
    color:rgb(96, 129, 191)  
}
```

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, 129, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 129, 191) }
```

Border

The CSS property to change the border of an element to Yxy 21.9489, 0.2290, 0.2277 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, 129, 191) }
```

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

```
.border{ border-color:rgb(96, 129, 191) }
```

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

Here you see how a box with a 4 pixel rgb(96, 129, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 129, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 129, 191);  
box-shadow:4px 4px 4px 4px rgb(96, 129,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9489, 0.2290, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 129, 191) }
```

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

```
.background{ background-color: rgb(96, 129,  
191) }
```

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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