

Converting Colors

$Y_{xy}(20.7233, 0.2192, 0.2398)$

Have a look what the booklet for
Yxy(20.7233, 0.2192, 0.2398)
contains.

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Color

Yxy(20.6411, 0.2193, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	4782B5
RGB	71, 130, 181
RGB Percent	28%, 51%, 71%
CMY	0.7219, 0.4901, 0.2902
CMYK	0.61, 0.28, 0.00, 0.29
HSL	208°, 44%, 49%
HSV	208°, 61%, 71%
XYZ	18.9160, 20.6411, 46.6991
YIQ	118.1730, -51.5350, 3.3530

Conversions

Conversions Part 2

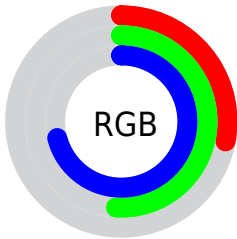
Format	Color
R _Y B	71, 109, 181
Decimal	4686517
CIE Lab	52.55, -3.57, -32.63
CIE LCh	53, 32.825, 263.754
Yxy	20.6411, 0.2193, 0.2393
Android (android.graphics.Color)	4282876597 (0xFF4782B5)
YUV	118.1730, 30.9737, -41.3707
Hunter-Lab	45.4325, -5.1877, -29.1402

Details

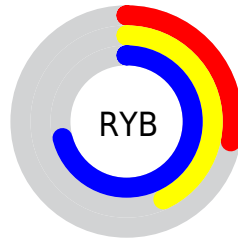
The Yxy color **20.6411, 0.2193, 0.2393** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.1686, 0.4486, 0.3996**, and the grayscale version is **18.0811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5706, 0.2387, 0.2588**, and **7.4434, 0.1911, 0.2080** is the 20% darker color. If you saturate the color by 10%, you get **17.9173, 0.2065, 0.2214**, and if you desaturate by 10%, it is **23.7517, 0.2335, 0.2567**.

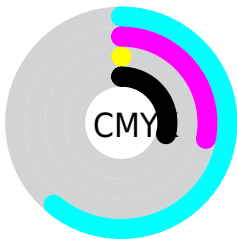
Distribution



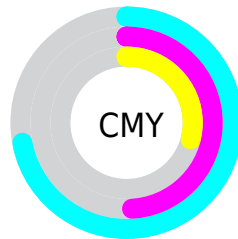
- Red (28%)
- Green (51%)
- Blue (71%)



- Red (28%)
- Yellow (43%)
- Blue (71%)



- Cyan (61%)
- Magenta (28%)
- Yellow (0%)
- Black (29%)



- Cyan (72%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6411, 0.2193, 0.2393 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 20.6411, 0.2193, 0.2393 by changing the saturation by 10% instead.

■ 20.6411, 0.2193,
0.2393

■ 20.6411, 0.2193,
0.2393

■ 255.3649, 0.2702,
0.2888

■ 12.8619, 0.2054,
0.2256

■ 44.4895, 0.2387,
0.2583

■ 7.3335, 0.1871,
0.2072

■ 61.3274, 0.2457,
0.2652

■ 3.6715, 0.1619,
0.1819

■ 81.9538, 0.2516,
0.2708

■ 1.4916, 0.1265,
0.1454

■ 106.7529, 0.2565,
0.2756

■ 0.2828, 0.0439,
0.0684

■ 136.1091, 0.2607,
0.2796

■ 0.0000, 0.0000,
0.0000

170.4070, 0.2643,

0.2831

210.0308, 0.2674,
0.2861

■ 20.6411, 0.2193,
0.2393

■ 20.6411, 0.2193,
0.2393

■ 17.9173, 0.2065,
0.2214

■ 23.7517, 0.2335,
0.2567

■ 15.5551, 0.1957,
0.2035

■ 27.2675, 0.2488,
0.2734

■ 13.5286, 0.1870,
0.1860

■ 31.2080, 0.2646,
0.2889

■ 11.9182, 0.1807,
0.1705

■ 35.5907, 0.2805,
0.3033

■ 40.4317, 0.2962,
0.3163

■ 45.7463, 0.3115,
0.3281

■ 51.5491, 0.3261,
0.3386

■ 57.8539, 0.3401,
0.3479

■ 64.6739, 0.3532,
0.3561

Harmonies

Analogous

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



20.6411, 0.2055, 0.2651



20.6411, 0.2193, 0.2393



20.6411, 0.2561, 0.2363

Triad

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



20.6411, 0.2193, 0.2393



20.6411, 0.4189, 0.3296



20.6411, 0.3048, 0.4250

Complementary

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



20.6411, 0.2193, 0.2393



24.1686, 0.4486, 0.3996

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.



20.6411, 0.3633, 0.4386



20.6411, 0.2193, 0.2393



20.6411, 0.4326, 0.3761

Square

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



20.6411, 0.2193, 0.2393



20.6411, 0.3727, 0.2864



20.6411, 0.4108, 0.4169



20.6411, 0.2513, 0.3756

Rectangle

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



20.6411, 0.2193, 0.2393



20.6411, 0.2915, 0.2456



20.6411, 0.4108, 0.4169



20.6411, 0.3246, 0.4340

Sweetspot

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



20.6418, 0.2193, 0.2393



65.8539, 0.2845, 0.3067



35.7482, 0.2751, 0.4365



13.7153, 0.2799, 0.3028



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.6418, 0.2193, 0.2393



30.5834, 0.2026, 0.2153



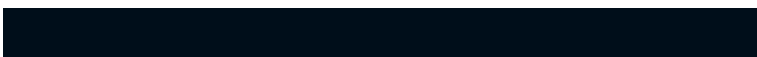
9.8987, 0.1982, 0.1448



8.9606, 0.2985, 0.3182



8.3568, 0.1813, 0.1726



0.3782, 0.1946, 0.2204

Inverse Universe

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



15.9304, 0.3950, 0.2484



23.5636, 0.4233, 0.2382



41.1274, 0.4013, 0.4634



8.5790, 0.3206, 0.3168



7.3838, 0.4775, 0.2404



0.2440, 0.4228, 0.2103

Previews

White Background



This preview shows how the Yxy color 20.6411, 0.2193, 0.2393 looks on a white background.

Color Contrast Check

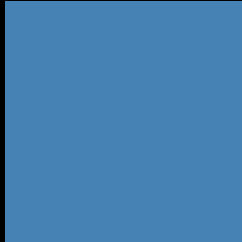
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6411, 0.2193, 0.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

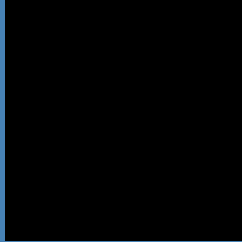
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

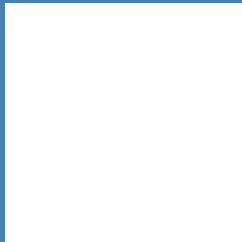
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.6411, 0.2193, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 20.6411, 0.2193, 0.2393.

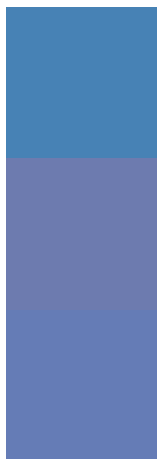


This preview shows how white text looks on a background with the Yxy color 20.6411, 0.2193, 0.2393.

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

20.6411, 0.2193, 0.2393

Protanopia

20.5123, 0.2484, 0.2412

Deuteranopia

20.5594, 0.2370, 0.2318



Tritanopia

20.5271, 0.2338, 0.3068

Trichromacy



Original Color

20.6411, 0.2193, 0.2393

Protanomaly

20.5289, 0.2363, 0.2411

Deuteranomaly

20.4728, 0.2293, 0.2333

Tritanomaly

20.5455, 0.2284, 0.2809

Monochromacy



Original Color

20.6411, 0.2193, 0.2393

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6089, 0.2693, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6411, 0.2193, 0.2393 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(71, 130, 181)` looks like.

```
.text, #text, p{  
    color:rgb(71, 130, 181)  
}
```

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(71, 130, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 130, 181) }
```

Border

The CSS property to change the border of an element to Yxy 20.6411, 0.2193, 0.2393 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(71, 130, 181) }
```

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

```
.border{ border-color:rgb(71, 130, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 130, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 130, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 130, 181);  
box-shadow:4px 4px 4px 4px rgb(71, 130,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6411, 0.2193, 0.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 130, 181) }
```

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

```
.background{ background-color: rgb(71, 130,  
181) }
```

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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