

Converting Colors

$Y_{xy}(20.7451, 0.2255, 0.2401)$

Have a look what the booklet for
Yxy(20.7451, 0.2255, 0.2401)
contains.

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Color

Yxy(20.7451, 0.2255, 0.2401)

Conversions

Conversions Part 1

Format	Color
Hex	5181B4
RGB	81, 129, 180
RGB Percent	32%, 51%, 71%
CMY	0.6824, 0.4941, 0.2940
CMYK	0.55, 0.28, 0.00, 0.29
HSL	211°, 40%, 51%
HSV	211°, 55%, 71%
XYZ	19.4836, 20.7451, 46.1732
YIQ	120.4620, -44.9790, 5.6850

Conversions

Conversions Part 2

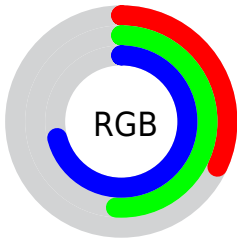
Format	Color
R _Y B	81, 113, 180
Decimal	5341620
CIE Lab	52.67, -1.18, -31.86
CIE LCh	53, 31.885, 267.887
Yxy	20.7451, 0.2255, 0.2401
Android (android.graphics.Color)	4283531700 (0xFF5181B4)
YUV	120.4620, 29.3522, -34.6082
Hunter-Lab	45.5468, -3.3496, -28.2226

Details

The Yxy color **20.7451, 0.2255, 0.2401** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.8109, 0.4275, 0.4012**, and the grayscale version is **18.8532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8304, 0.2441, 0.2594**, and **7.3712, 0.1948, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **17.7192, 0.2111, 0.2203**, and if you desaturate by 10%, it is **24.2052, 0.2411, 0.2592**.

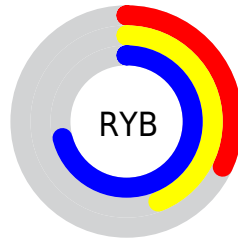
Distribution



Red (32%)

Green (51%)

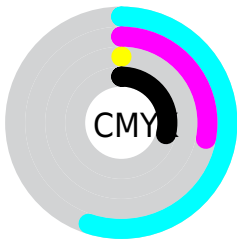
Blue (71%)



Red (32%)

Yellow (44%)

Blue (71%)

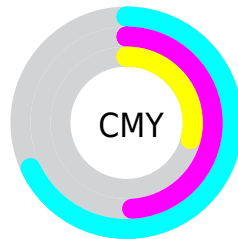


Cyan (55%)

Magenta (28%)

Yellow (0%)

Black (29%)



Cyan (68%)

Magenta (49%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7451, 0.2255, 0.2401 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 20.7451, 0.2255, 0.2401 by changing the saturation by 10% instead.

■ 20.7451, 0.2255,
0.2401

■ 20.7451, 0.2255,
0.2401

■ 255.9207, 0.2732,
0.2889

■ 12.9378, 0.2124,
0.2266

■ 44.6629, 0.2438,
0.2589

■ 7.3857, 0.1949,
0.2086

■ 61.5422, 0.2504,
0.2656

■ 3.7045, 0.1709,
0.1836

■ 82.2144, 0.2558,
0.2712

■ 1.5097, 0.1365,
0.1478

■ 107.0637, 0.2604,
0.2759

■ 0.2955, 0.0611,
0.0717

■ 136.4746, 0.2643,
0.2799

■ 0.0000, 0.0000,
0.0000

170.8314, 0.2677,

0.2833

210.5187, 0.2706,
0.2863

■ 20.7451, 0.2255,
0.2401

■ 20.7451, 0.2255,
0.2401

■ 17.7192, 0.2111,
0.2203

■ 24.2052, 0.2411,
0.2592

■ 15.1023, 0.1983,
0.2004

■ 28.1182, 0.2572,
0.2771

■ 12.8694, 0.1877,
0.1807

■ 32.5040, 0.2735,
0.2938

■ 10.9900, 0.1794,
0.1620

■ 37.3805, 0.2896,
0.3090

■ 10.1555, 0.1759,
0.1530

■ 42.7648, 0.3052,
0.3227

■ 48.6727, 0.3200,
0.3349

■ 55.1196, 0.3341,
0.3458

■ 62.1199, 0.3473,
0.3554

■ 69.6875, 0.3595,
0.3637

Harmonies

Analogous

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



20.7451, 0.2088, 0.2622



20.7451, 0.2255, 0.2401



20.7451, 0.2643, 0.2399

Triad

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



20.7451, 0.2255, 0.2401



20.7451, 0.4196, 0.3361



20.7451, 0.2974, 0.4170

Complementary

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



20.7451, 0.2255, 0.2401



26.8109, 0.4275, 0.4012

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.



20.7451, 0.3546, 0.4356



20.7451, 0.2255, 0.2401



20.7451, 0.4281, 0.3811

Square

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



20.7451, 0.2255, 0.2401



20.7451, 0.3784, 0.2930



20.7451, 0.4030, 0.4189



20.7451, 0.2472, 0.3660

Rectangle

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



20.7451, 0.2255, 0.2401



20.7451, 0.3001, 0.2507



20.7451, 0.4030, 0.4189



20.7451, 0.3165, 0.4275

Sweetspot

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



20.7458, 0.2255, 0.2401



65.6577, 0.2860, 0.3056



36.0295, 0.2740, 0.4150



13.8089, 0.2828, 0.3027



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.



20.7458, 0.2255, 0.2401



31.0513, 0.2082, 0.2161



10.9299, 0.2081, 0.1560



8.8873, 0.2985, 0.3170



7.2189, 0.1764, 0.1552



0.3441, 0.1910, 0.2074

Inverse Universe

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



17.1761, 0.3921, 0.2617



25.6573, 0.4197, 0.2511



42.9558, 0.3909, 0.4582



8.5716, 0.3214, 0.3180



7.2689, 0.4993, 0.2524



0.2405, 0.4369, 0.2181

Previews

White Background



This preview shows how the Yxy color 20.7451, 0.2255, 0.2401 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 20.7451, 0.2255, 0.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

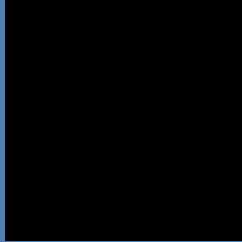
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7451, 0.2255, 0.2401

Background



This preview shows how black text looks on a background with the Yxy color 20.7451, 0.2255, 0.2401.

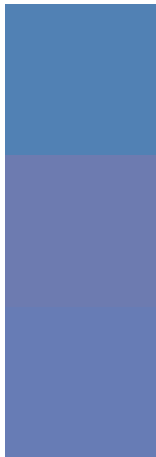


This preview shows how white text looks on a background with the Yxy color 20.7451, 0.2255, 0.2401.

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

20.7451, 0.2255, 0.2401

Protanopia

20.5517, 0.2477, 0.2398

Deuteranopia

20.6351, 0.2393, 0.2335



Tritanopia

20.6322, 0.2416, 0.3071

Trichromacy



Original Color

20.7451, 0.2255, 0.2401

Protanomaly

20.4942, 0.2391, 0.2400

Deuteranomaly

20.6908, 0.2336, 0.2356

Tritanomaly

20.6601, 0.2358, 0.2815

Monochromacy



Original Color

20.7451, 0.2255, 0.2401

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.1831, 0.2737, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7451, 0.2255, 0.2401 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(81, 129, 180)` looks like.

```
.text, #text, p{  
    color:rgb(81, 129, 180)  
}
```

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(81, 129, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 129, 180) }
```

Border

The CSS property to change the border of an element to Yxy 20.7451, 0.2255, 0.2401 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(81, 129, 180) }
```

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

```
.border{ border-color:rgb(81, 129, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 129, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 129, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 129, 180); box-shadow:4px 4px 4px 4px rgb(81, 129, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7451, 0.2255, 0.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 129, 180) }
```

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

```
.background{ background-color: rgb(81, 129,  
180) }
```

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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