

Converting Colors

$Y_{xy}(20.2111, 0.2294, 0.2607)$

Have a look what the booklet for
Yxy(20.2111, 0.2294, 0.2607)
contains.

Yxy(20.2111, 0.2294, 0.2607)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2111, 0.2294, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	4A82A7
RGB	74, 130, 167
RGB Percent	29%, 51%, 65%
CMY	0.7097, 0.4902, 0.3450
CMYK	0.56, 0.22, 0.00, 0.35
HSL	204°, 39%, 47%
HSV	204°, 56%, 65%
XYZ	17.7845, 20.2111, 39.5306
YIQ	117.4740, -45.2530, -0.3650

Conversions

Conversions Part 2

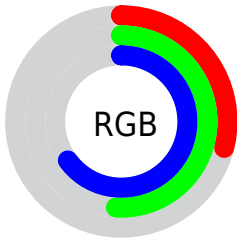
Format	Color
R_{YB}	74, 109, 167
Decimal	4883111
CIE _{Lab}	52.08, -7.45, -25.31
CIE _{LCh}	52, 26.379, 253.606
Yxy	20.2111, 0.2294, 0.2607
Android (android.graphics.Color)	4283073191 (0xFF4A82A7)
YUV	117.4740, 24.4163, -38.1267
Hunter-Lab	44.9568, -8.0612, -20.6642

Details

The Yxy color **20.2111, 0.2294, 0.2607** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **20.0930, 0.4388, 0.3855**, and the grayscale version is **17.8799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8080, 0.2472, 0.2764**, and **7.1485, 0.1995, 0.2343** is the 20% darker color. If you saturate the color by 10%, you get **17.9221, 0.2168, 0.2458**, and if you desaturate by 10%, it is **22.7919, 0.2433, 0.2751**.

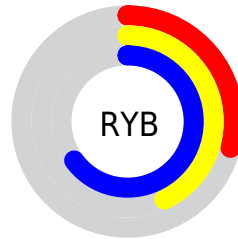
Distribution



Red (29%)

Green (51%)

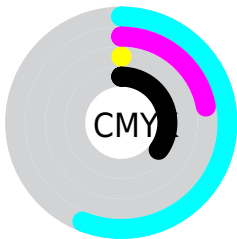
Blue (65%)



Red (29%)

Yellow (43%)

Blue (65%)

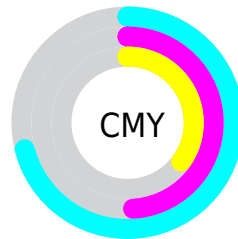


Cyan (56%)

Magenta (22%)

Yellow (0%)

Black (35%)



Cyan (71%)

Magenta (49%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2111, 0.2294, 0.2607 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 20.2111, 0.2294, 0.2607 by changing the saturation by 10% instead.

■ 20.2111, 0.2294,
0.2607

■ 20.2111, 0.2294,
0.2607

■ 253.0556, 0.2753,
0.2993

■ 12.5486, 0.2166,
0.2495

■ 43.7708, 0.2471,
0.2759

■ 7.1184, 0.1993,
0.2340

■ 60.4368, 0.2534,
0.2812

■ 3.5363, 0.1751,
0.2117

■ 80.8728, 0.2587,
0.2856

■ 1.4177, 0.1395,
0.1776

■ 105.4631, 0.2631,
0.2893

■ 0.2297, 0.0135,
0.0845

■ 134.5921, 0.2668,
0.2924

■ 0.0000, 0.0000,
0.0000

168.6443, 0.2700,

0.2950

208.0040, 0.2728,
0.2973

■ 20.2111, 0.2294,
0.2607

■ 20.2111, 0.2294,
0.2607

■ 17.9221, 0.2168,
0.2458

■ 22.7919, 0.2433,
0.2751

■ 15.9063, 0.2058,
0.2305

■ 25.6772, 0.2581,
0.2887

■ 14.1458, 0.1969,
0.2153

■ 28.8811, 0.2734,
0.3013

■ 12.6168, 0.1900,
0.2004

■ 32.4163, 0.2889,
0.3129

■ 12.0049, 0.1872,
0.1941

■ 36.2945, 0.3042,
0.3235

■ 40.5270, 0.3191,
0.3330

■ 45.1242, 0.3335,
0.3414

■ 50.0962, 0.3473,
0.3489

■ 55.4526, 0.3604,
0.3555

Harmonies

Analogous

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



20.2111, 0.2248, 0.2895



20.2111, 0.2294, 0.2607



20.2111, 0.2542, 0.2512

Triad

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



20.2111, 0.2294, 0.2607



20.2111, 0.3883, 0.3178



20.2111, 0.3237, 0.4126

Complementary

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



20.2111, 0.2294, 0.2607



20.0930, 0.4388, 0.3855

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.



20.2111, 0.3697, 0.4147



20.2111, 0.2294, 0.2607



20.2111, 0.4094, 0.3565

Square

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



20.2111, 0.2294, 0.2607



20.2111, 0.3453, 0.2835



20.2111, 0.4018, 0.3921



20.2111, 0.2768, 0.3817

Rectangle

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



20.2111, 0.2294, 0.2607



20.2111, 0.2804, 0.2550



20.2111, 0.4018, 0.3921



20.2111, 0.3398, 0.4166

Sweetspot

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



20.2118, 0.2294, 0.2607



56.9666, 0.2863, 0.3111



30.2194, 0.2813, 0.4371



12.4708, 0.2834, 0.3089



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.2118, 0.2294, 0.2607



31.1285, 0.2138, 0.2419



10.7262, 0.2113, 0.1738



8.0232, 0.2987, 0.3198



9.2820, 0.1876, 0.1955



0.3217, 0.2013, 0.2446

Inverse Universe

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



14.7309, 0.3741, 0.2458



21.7881, 0.3949, 0.2321



32.5457, 0.3992, 0.4466



7.6153, 0.3196, 0.3155



7.0081, 0.4505, 0.2255



0.1802, 0.3977, 0.1964

Previews

White Background



This preview shows how the Yxy color 20.2111, 0.2294, 0.2607 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 20.2111, 0.2294, 0.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

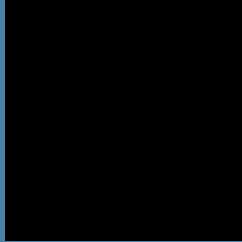
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

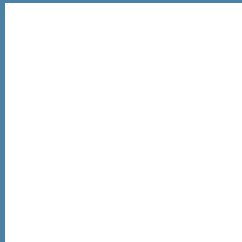
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2111, 0.2294, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 20.2111, 0.2294, 0.2607.

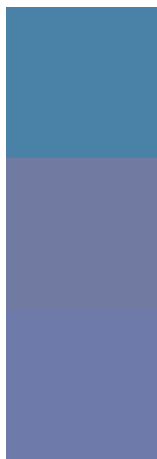


This preview shows how white text looks on a background with the Yxy color 20.2111, 0.2294, 0.2607.

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

20.2111, 0.2294, 0.2607

Protanopia

20.0030, 0.2633, 0.2607

Deuteranopia

20.0986, 0.2538, 0.2482



Tritanopia

20.2183, 0.2400, 0.3068

Trichromacy



Original Color

20.2111, 0.2294, 0.2607

Protanomaly

19.9642, 0.2494, 0.2608

Deuteranomaly

20.0358, 0.2439, 0.2528

Tritanomaly

20.3039, 0.2360, 0.2900

Monochromacy



Original Color

20.2111, 0.2294, 0.2607

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.4350, 0.2750, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2111, 0.2294, 0.2607 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(74, 130, 167)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 167)  
}
```

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(74, 130, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 167) }
```

Border

The CSS property to change the border of an element to Yxy 20.2111, 0.2294, 0.2607 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(74, 130, 167) }
```

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

```
.border{ border-color:rgb(74, 130, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 130, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 167);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2111, 0.2294, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 167) }
```

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

```
.background{ background-color: rgb(74, 130,  
167) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor