

Converting Colors

$Y_{xy}(21.3832, 0.2091, 0.2249)$

Have a look what the booklet for
Yxy(21.3832, 0.2091, 0.2249)
contains.

Yxy(21.3449, 0.2092, 0.2255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.3449, 0.2092, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	3D84C1
RGB	61, 132, 193
RGB Percent	24%, 52%, 76%
CMY	0.7604, 0.4824, 0.2433
CMYK	0.68, 0.32, 0.00, 0.24
HSL	208°, 52%, 50%
HSV	208°, 68%, 76%
XYZ	19.8020, 21.3449, 53.5090
YIQ	117.7250, -61.8970, 3.9190

Conversions

Conversions Part 2

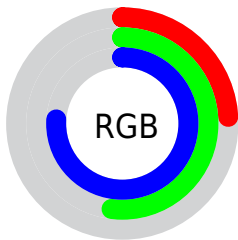
Format	Color
R_{YB}	61, 107, 193
Decimal	4031681
CIE _{Lab}	53.32, -2.40, -38.30
CIE _{LCh}	53, 38.378, 266.409
Yxy	21.3449, 0.2092, 0.2255
Android (android.graphics.Color)	4282221761 (0xFF3D84C1)
YUV	117.7250, 37.1106, -49.7478
Hunter-Lab	46.2005, -4.3441, -36.3287

Details

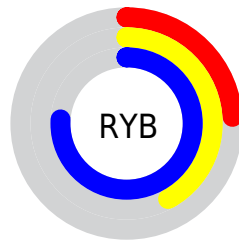
The Yxy color **21.3449, 0.2092, 0.2255** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **25.6039, 0.4715, 0.4051**, and the grayscale version is **17.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7376, 0.2299, 0.2467**, and **8.0506, 0.1874, 0.1946** is the 20% darker color. If you saturate the color by 10%, you get **18.5216, 0.1979, 0.2075**, and if you desaturate by 10%, it is **24.5969, 0.2224, 0.2434**.

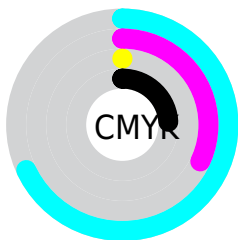
Distribution



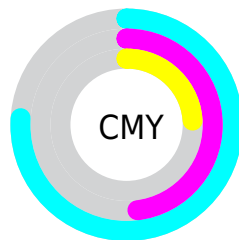
- Red (24%)
- Green (52%)
- Blue (76%)



- Red (24%)
- Yellow (42%)
- Blue (76%)



- Cyan (68%)
- Magenta (32%)
- Yellow (0%)
- Black (24%)



- Cyan (76%)
- Magenta (48%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3449, 0.2092, 0.2255 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 21.3449, 0.2092, 0.2255 by changing the saturation by 10% instead.

■ 21.3449, 0.2092,
0.2255

■ 21.3449, 0.2092,
0.2255

259.1058, 0.2648,
0.2816

■ 13.3763, 0.1945,
0.2105

■ 45.6608, 0.2302,
0.2467

■ 7.6882, 0.1753,
0.1908

■ 62.7770, 0.2378,
0.2545

■ 3.8961, 0.1497,
0.1644

■ 83.7112, 0.2442,
0.2609

■ 1.6156, 0.1149,
0.1281

■ 108.8478, 0.2496,
0.2664

■ 0.3681, 0.0514,
0.0650

■ 138.5711, 0.2543,
0.2710

■ 0.0000, 0.0000,
0.0000

173.2656, 0.2583,

0.2750

213.3157, 0.2618,
0.2785

■ 21.3449, 0.2092,
0.2255

■ 21.3449, 0.2092,
0.2255

■ 18.5216, 0.1979,
0.2075

■ 24.5969, 0.2224,
0.2434

■ 16.0949, 0.1887,
0.1898

■ 28.3016, 0.2369,
0.2607

■ 14.0205, 0.1817,
0.1728

■ 32.4833, 0.2524,
0.2771

■ 13.7006, 0.1806,
0.1701

■ 37.1635, 0.2683,
0.2925

■ 42.3621, 0.2843,
0.3066

■ 48.0980, 0.3000,
0.3193

■ 54.3886, 0.3152,
0.3308

■ 61.2508, 0.3297,
0.3410

■ 68.7005, 0.3435,
0.3500

Harmonies

Analogous

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



21.3449, 0.1915, 0.2513



21.3449, 0.2092, 0.2255



21.3449, 0.2525, 0.2249

Triad

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



21.3449, 0.2092, 0.2255



21.3449, 0.4387, 0.3330



21.3449, 0.2966, 0.4381

Complementary

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



21.3449, 0.2092, 0.2255



25.6039, 0.4715, 0.4051

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.



21.3449, 0.3637, 0.4565



21.3449, 0.2092, 0.2255



21.3449, 0.4499, 0.3852

Square

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



21.3449, 0.2092, 0.2255



21.3449, 0.3877, 0.2840



21.3449, 0.4205, 0.4319



21.3449, 0.2373, 0.3768

Rectangle

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



21.3449, 0.2092, 0.2255



21.3449, 0.2938, 0.2367



21.3449, 0.4205, 0.4319



21.3449, 0.3190, 0.4498

Sweetspot

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



21.3456, 0.2092, 0.2255



73.0194, 0.2795, 0.3025



40.4870, 0.2732, 0.4532



15.1058, 0.2751, 0.2986



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.



21.3456, 0.2092, 0.2255



30.9509, 0.1930, 0.1987



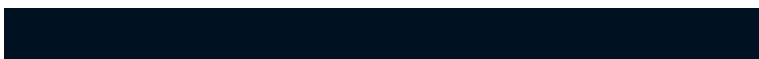
8.9394, 0.1838, 0.1208



10.6249, 0.2984, 0.3181



9.2773, 0.1812, 0.1722



0.5376, 0.1918, 0.2104

Inverse Universe

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



16.3458, 0.4110, 0.2415



24.5530, 0.4439, 0.2356



46.9465, 0.4097, 0.4753



10.1664, 0.3207, 0.3167



8.2188, 0.4779, 0.2407



0.3689, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 21.3449, 0.2092, 0.2255 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 21.3449, 0.2092, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

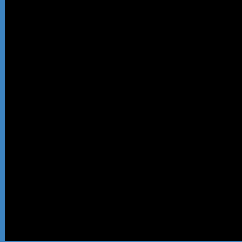
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3449, 0.2092, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 21.3449, 0.2092, 0.2255.

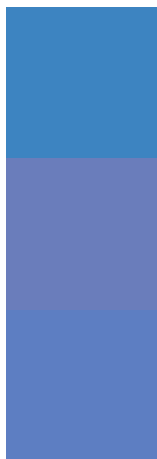


This preview shows how white text looks on a background with the Yxy color 21.3449, 0.2092, 0.2255.

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

21.3449, 0.2092, 0.2255

Protanopia

21.3193, 0.2379, 0.2280

Deuteranopia

21.1439, 0.2242, 0.2184



Tritanopia

21.2976, 0.2241, 0.3068

Trichromacy



Original Color

21.3449, 0.2092, 0.2255

Protanomaly

21.2861, 0.2258, 0.2275

Deuteranomaly

21.0827, 0.2173, 0.2197

Tritanomaly

21.1581, 0.2178, 0.2739

Monochromacy



Original Color

21.3449, 0.2092, 0.2255

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.7516, 0.2619, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3449, 0.2092, 0.2255 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(61, 132, 193)` looks like.

```
.text, #text, p{  
    color:rgb(61, 132, 193)  
}
```

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(61, 132, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 132, 193) }
```

Border

The CSS property to change the border of an element to Yxy 21.3449, 0.2092, 0.2255 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(61, 132, 193) }
```

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

```
.border{ border-color:rgb(61, 132, 193) }
```

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

Here you see how a box with a 4 pixel rgb(61, 132, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 132, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 132, 193);  
box-shadow:4px 4px 4px 4px rgb(61, 132,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3449, 0.2092, 0.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 132, 193) }
```

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

```
.background{ background-color: rgb(61, 132,  
193) }
```

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