

Converting Colors

$Y_{xy}(21.6205, 0.2012, 0.2159)$

Have a look what the booklet for
Yxy(21.6205, 0.2012, 0.2159)
contains.

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Color

Yxy(21.6205, 0.2012, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	3085C9
RGB	48, 133, 201
RGB Percent	19%, 52%, 79%
CMY	0.8118, 0.4784, 0.2117
CMYK	0.76, 0.34, 0.00, 0.21
HSL	207°, 61%, 49%
HSV	207°, 76%, 79%
XYZ	20.1484, 21.6205, 58.3723
YIQ	115.3370, -72.4880, 3.1280

Conversions

Conversions Part 2

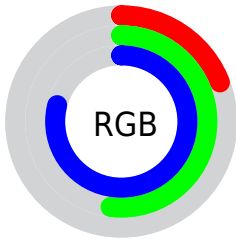
Format	Color
R _Y B	48, 103, 201
Decimal	3179977
CIE Lab	53.62, -1.97, -42.43
CIE LCh	54, 42.480, 267.348
Yxy	21.6205, 0.2012, 0.2159
Android (android.graphics.Color)	4281370057 (0xFF3085C9)
YUV	115.3370, 42.2319, -59.0545
Hunter-Lab	46.4978, -4.0237, -41.8828

Details

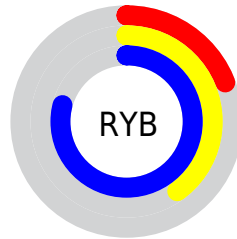
The Yxy color **21.6205, 0.2012, 0.2159** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **25.1183, 0.4978, 0.4051**, and the grayscale version is **17.1367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9826, 0.2248, 0.2421**, and **8.4472, 0.1847, 0.1849** is the 20% darker color. If you saturate the color by 10%, you get **18.8956, 0.1918, 0.1987**, and if you desaturate by 10%, it is **24.7761, 0.2127, 0.2332**.

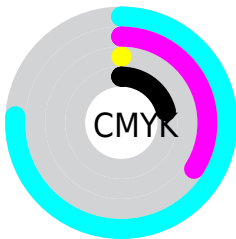
Distribution



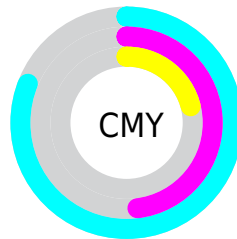
- Red (19%)
- Green (52%)
- Blue (79%)



- Red (19%)
- Yellow (40%)
- Blue (79%)



- Cyan (76%)
- Magenta (34%)
- Yellow (0%)
- Black (21%)



- Cyan (81%)
- Magenta (48%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6205, 0.2012, 0.2159 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 21.6205, 0.2012, 0.2159 by changing the saturation by 10% instead.

■ 21.6205, 0.2012,
0.2159

■ 21.6205, 0.2012,
0.2159

260.5580, 0.2606,
0.2765

■ 13.5783, 0.1858,
0.2000

■ 46.1180, 0.2234,
0.2386

■ 7.8280, 0.1660,
0.1795

■ 63.3420, 0.2315,
0.2470

■ 3.9851, 0.1400,
0.1525

■ 84.3955, 0.2384,
0.2539

■ 1.6652, 0.1056,
0.1164

■ 109.6628, 0.2442,
0.2599

■ 0.4010, 0.0492,
0.0592

■ 139.5283, 0.2491,
0.2649

■ 0.0000, 0.0000,
0.0000

174.3764, 0.2535,

0.2693

214.5915, 0.2572,
0.2731

■ 21.6205, 0.2012,
0.2159

■ 21.6205, 0.2012,
0.2159

■ 18.8956, 0.1918,
0.1987

■ 24.7761, 0.2127,
0.2332

■ 16.5606, 0.1846,
0.1821

■ 28.3917, 0.2260,
0.2503

■ 15.7355, 0.1822,
0.1759

■ 32.4957, 0.2406,
0.2668

■ 37.1129, 0.2560,
0.2824

■ 42.2661, 0.2719,
0.2969

■ 47.9766, 0.2877,
0.3102

■ 54.2640, 0.3034,
0.3222

■ 61.1472, 0.3185,
0.3330

■ 68.6439, 0.3330,
0.3426

Harmonies

Analogous

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



21.6205, 0.1813, 0.2421



21.6205, 0.2012, 0.2159



21.6205, 0.2485, 0.2164

Triad

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



21.6205, 0.2012, 0.2159



21.6205, 0.4527, 0.3338



21.6205, 0.2918, 0.4492

Complementary

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



21.6205, 0.2012, 0.2159



25.1183, 0.4978, 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.



21.6205, 0.3651, 0.4700



21.6205, 0.2012, 0.2159



21.6205, 0.4626, 0.3903

Square

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



21.6205, 0.2012, 0.2159



21.6205, 0.3974, 0.2812



21.6205, 0.4282, 0.4418



21.6205, 0.2281, 0.3791

Rectangle

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



21.6205, 0.2012, 0.2159



21.6205, 0.2938, 0.2297



21.6205, 0.4282, 0.4418



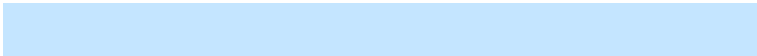
21.6205, 0.3161, 0.4626

Sweetspot

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



21.6212, 0.2012, 0.2159



75.0064, 0.2763, 0.3008



43.6252, 0.2738, 0.4748



15.3185, 0.2705, 0.2957



0.0000, 0.0000, 0.0000



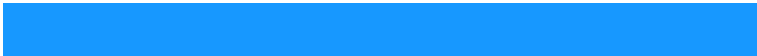
21.4041, 0.3127, 0.3290

Same Dimension

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



21.6212, 0.2012, 0.2159



29.8192, 0.1871, 0.1885



7.8898, 0.1719, 0.1021



11.2483, 0.2983, 0.3185



10.0785, 0.1828, 0.1782



0.6201, 0.1924, 0.2126

Inverse Universe

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



16.2241, 0.4235, 0.2339



24.1339, 0.4576, 0.2339



49.8075, 0.4189, 0.4829



10.7339, 0.3204, 0.3162



8.5574, 0.4707, 0.2367



0.4196, 0.4312, 0.2149

Previews

White Background



This preview shows how the Yxy color 21.6205, 0.2012, 0.2159 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 21.6205, 0.2012, 0.2159 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 21.6205, 0.2012, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 21.6205, 0.2012, 0.2159.

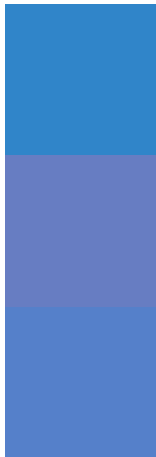


This preview shows how white text looks on a background with the Yxy color 21.6205, 0.2012, 0.2159.

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

21.6205, 0.2012, 0.2159

Protanopia

21.4458, 0.2311, 0.2186

Deuteranopia

21.6339, 0.2156, 0.2108



Tritanopia

21.6459, 0.2185, 0.3067

Trichromacy



Original Color

21.6205, 0.2012, 0.2159

Protanomaly

21.3086, 0.2169, 0.2164

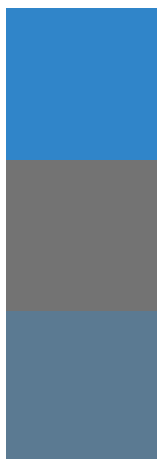
Deuteranomaly

21.6072, 0.2093, 0.2122

Tritanomaly

21.4867, 0.2103, 0.2703

Monochromacy



Original Color

21.6205, 0.2012, 0.2159

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.2185, 0.2551, 0.2824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6205, 0.2012, 0.2159 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(48, 133, 201)` looks like.

```
.text, #text, p{  
    color:rgb(48, 133, 201)  
}
```

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(48, 133, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 133, 201) }
```

Border

The CSS property to change the border of an element to Yxy 21.6205, 0.2012, 0.2159 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(48, 133, 201) }
```

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

```
.border{ border-color:rgb(48, 133, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 133, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 133, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 133, 201);  
box-shadow:4px 4px 4px 4px rgb(48, 133,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6205, 0.2012, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 133, 201) }
```

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

```
.background{ background-color: rgb(48, 133,  
201) }
```

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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