

Converting Colors

$Y_{xy}(21.6236, 0.2000, 0.1780)$

Have a look what the booklet for
Yxy(21.6236, 0.2000, 0.1780)
contains.

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Color

Yxy(21.6236, 0.2000, 0.1780)

Conversions

Conversions Part 1

Format	Color
Hex	4F7CE3
RGB	79, 124, 227
RGB Percent	31%, 49%, 89%
CMY	0.6902, 0.5137, 0.1098
CMYK	0.65, 0.45, 0.00, 0.11
HSL	222°, 73%, 60%
HSV	222°, 65%, 89%
XYZ	24.2962, 21.6236, 75.5611
YIQ	122.2870, -59.8830, 22.4930

Conversions

Conversions Part 2

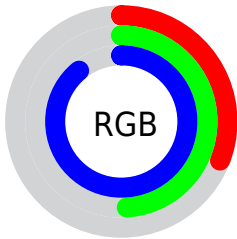
Format	Color
R _Y B	79, 114, 227
Decimal	5209315
CIE Lab	53.63, 17.21, -57.03
CIE LCh	54, 59.567, 286.798
Yxy	21.6236, 0.2000, 0.1780
Android (android.graphics.Color)	4283399395 (0xFF4F7CE3)
YUV	122.2870, 51.6235, -37.9627
Hunter-Lab	46.5012, 11.8865, -63.7912

Details

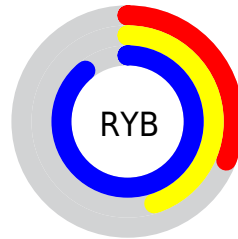
The Yxy color **21.6236, 0.2000, 0.1780** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **50.3481, 0.4345, 0.4391**, and the grayscale version is **19.4043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9334, 0.2355, 0.2322**, and **8.1092, 0.1724, 0.1407** is the 20% darker color. If you saturate the color by 10%, you get **17.1639, 0.1850, 0.1520**, and if you desaturate by 10%, it is **27.0511, 0.2170, 0.2048**.

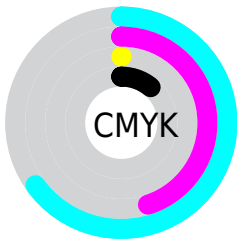
Distribution



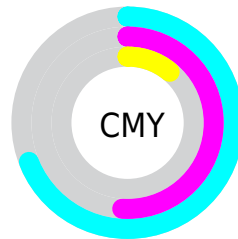
- Red (31%)
- Green (49%)
- Blue (89%)



- Red (31%)
- Yellow (45%)
- Blue (89%)



- Cyan (65%)
- Magenta (45%)
- Yellow (0%)
- Black (11%)





- Cyan (69%)
- Magenta (51%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6236, 0.2000, 0.1780 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 21.6236, 0.2000, 0.1780 by changing the saturation by 10% instead.


 21.6236, 0.2000,
0.1780


 21.6236, 0.2000,
0.1780


260.5743, 0.2599,
0.2539


 13.5806, 0.1848,
0.1601


 46.1231, 0.2221,
0.2050

 7.8295, 0.1656,
0.1382


 63.3484, 0.2304,
0.2154

 3.9861, 0.1410,
0.1112

 84.4032, 0.2373,
0.2242

 1.6658, 0.1093,
0.0787

 109.6720, 0.2432,
0.2318

 0.4013, 0.0702,
0.0352

139.5390, 0.2482,
0.2384

 0.0000, 0.0000,
0.0000

174.3889, 0.2526,

0.2442

214.6058, 0.2565,
0.2493

■ 21.6236, 0.2000,
0.1780

■ 21.6236, 0.2000,
0.1780

■ 17.1639, 0.1850,
0.1520

■ 27.0511, 0.2170,
0.2048

■ 13.6044, 0.1728,
0.1280

■ 33.5030, 0.2350,
0.2312

■ 10.8698, 0.1640,
0.1072

■ 41.0334, 0.2534,
0.2564

■ 9.8046, 0.1607,
0.0985

■ 49.6919, 0.2714,
0.2798

■ 59.5245, 0.2887,
0.3010

■ 70.5748, 0.3048,
0.3200

■ 82.8840, 0.3197,
0.3368

■ 95.4138, 0.3297,
0.3518

■ 98.3257, 0.3292,
0.3562

Harmonies

Analogous

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



21.6236, 0.1537, 0.1859



21.6236, 0.2000, 0.1780



21.6236, 0.2827, 0.1983

Triad

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



21.6236, 0.2000, 0.1780



21.6236, 0.5205, 0.3737



21.6236, 0.2210, 0.4429

Complementary

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



21.6236, 0.2000, 0.1780



50.3481, 0.4345, 0.4391

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.



21.6236, 0.3117, 0.5241



21.6236, 0.2000, 0.1780



21.6236, 0.4855, 0.4472

Square

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



21.6236, 0.2000, 0.1780



21.6236, 0.4874, 0.3043



21.6236, 0.4075, 0.5119



21.6236, 0.1612, 0.3192

Rectangle

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



21.6236, 0.2000, 0.1780



21.6236, 0.3546, 0.2256



21.6236, 0.4075, 0.5119



21.6236, 0.2490, 0.4793

Sweetspot

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



21.6243, 0.2000, 0.1780



70.9856, 0.2803, 0.2908



59.8977, 0.2569, 0.3951



14.4315, 0.2754, 0.2847



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.



21.6243, 0.2000, 0.1780



20.6884, 0.1807, 0.1438



14.2108, 0.2037, 0.1280



14.5982, 0.2981, 0.3122



5.8986, 0.1614, 0.1011



0.5952, 0.1695, 0.1300

Inverse Universe

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



23.3778, 0.4588, 0.2814



25.3725, 0.5071, 0.2807



67.7596, 0.3813, 0.4906



14.4398, 0.3245, 0.3219



9.7932, 0.5742, 0.2937



0.7398, 0.5326, 0.2708

Previews

White Background



This preview shows how the Yxy color 21.6236, 0.2000, 0.1780 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 21.6236, 0.2000, 0.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

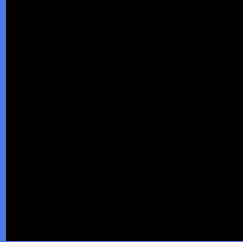
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6236, 0.2000, 0.1780

Background



This preview shows how black text looks on a background with the Yxy color 21.6236, 0.2000, 0.1780.



This preview shows how white text looks on a background with the Yxy color 21.6236, 0.2000, 0.1780.

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

21.6236, 0.2000, 0.1780

Protanopia

21.6236, 0.2000, 0.1780

Deuteranopia

21.6036, 0.1882, 0.1817



Tritanopia

21.6081, 0.2238, 0.3069

Trichromacy



Original Color

21.6236, 0.2000, 0.1780

Protanomaly

21.6236, 0.2000, 0.1780

Deuteranomaly

21.4266, 0.1913, 0.1799

Tritanomaly

21.2110, 0.2119, 0.2495

Monochromacy



Original Color

21.6236, 0.2000, 0.1780

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.7682, 0.2576, 0.2629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6236, 0.2000, 0.1780 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(79, 124, 227)` looks like.

```
.text, #text, p{  
    color:rgb(79, 124, 227)  
}
```

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(79, 124, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 124, 227) }
```

Border

The CSS property to change the border of an element to Yxy 21.6236, 0.2000, 0.1780 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(79, 124, 227) }
```

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

```
.border{ border-color:rgb(79, 124, 227) }
```

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

Here you see how a box with a 4 pixel rgb(79, 124, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 124, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 124, 227);  
box-shadow:4px 4px 4px 4px rgb(79, 124,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6236, 0.2000, 0.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 124, 227) }
```

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

```
.background{ background-color: rgb(79, 124,  
227) }
```

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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