

Converting Colors

$Y_{xy}(21.2334, 0.2104, 0.1841)$

Have a look what the booklet for
Yxy(21.2334, 0.2104, 0.1841)
contains.

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Color

Yxy(21.1689, 0.2104, 0.1837)

Conversions

Conversions Part 1

Format	Color
Hex	5E79DB
RGB	94, 121, 219
RGB Percent	37%, 47%, 86%
CMY	0.6310, 0.5256, 0.1412
CMYK	0.57, 0.45, 0.00, 0.14
HSL	227°, 63%, 61%
HSV	227°, 57%, 86%
XYZ	24.2457, 21.1689, 69.8216
YIQ	124.0990, -47.5500, 24.7540

Conversions

Conversions Part 2

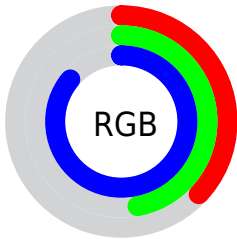
Format	Color
R _Y B	94, 116, 219
Decimal	6191579
CIE Lab	53.13, 19.11, -53.27
CIE LCh	53, 56.596, 289.738
Yxy	21.1689, 0.2104, 0.1837
Android (android.graphics.Color)	4284381659 (0xFF5E79DB)
YUV	124.0990, 46.7862, -26.3968
Hunter-Lab	46.0097, 13.5472, -57.7683

Details

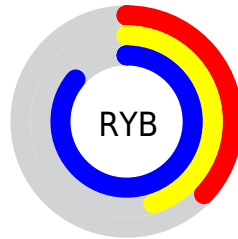
The Yxy color **21.1689, 0.2104, 0.1837** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **53.6146, 0.4106, 0.4393**, and the grayscale version is **20.0499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8794, 0.2420, 0.2301**, and **7.5800, 0.1775, 0.1443** is the 20% darker color. If you saturate the color by 10%, you get **16.3595, 0.1927, 0.1545**, and if you desaturate by 10%, it is **27.0521, 0.2294, 0.2133**.

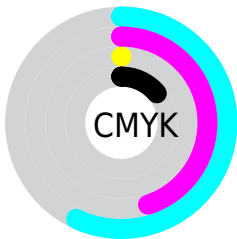
Distribution



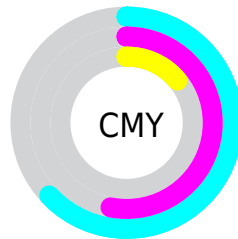
- Red (37%)
- Green (47%)
- Blue (86%)



- Red (37%)
- Yellow (45%)
- Blue (86%)



- Cyan (57%)
- Magenta (45%)
- Yellow (0%)
- Black (14%)



- Cyan (63%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1689, 0.2104, 0.1837 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 21.1689, 0.2104, 0.1837 by changing the saturation by 10% instead.

■ 21.1689, 0.2104,
0.1837

■ 21.1689, 0.2104,
0.1837

258.1747, 0.2656,
0.2573

■ 13.2475, 0.1960,
0.1660

■ 45.3685, 0.2311,
0.2102

■ 7.5992, 0.1776,
0.1442

■ 62.4154, 0.2387,
0.2202

■ 3.8396, 0.1534,
0.1169

■ 83.2731, 0.2450,
0.2288

■ 1.5842, 0.1214,
0.0835

■ 108.3257, 0.2504,
0.2361

■ 0.3469, 0.0806,
0.0351

137.9578, 0.2550,
0.2425

■ 0.0000, 0.0000,
0.0000

172.5538, 0.2590,

0.2480

212.4979, 0.2625,
0.2530

■ 21.1689, 0.2104,
0.1837

■ 21.1689, 0.2104,
0.1837

■ 16.3595, 0.1927,
0.1545

■ 27.0521, 0.2294,
0.2133

■ 12.5538, 0.1775,
0.1274

■ 34.0688, 0.2487,
0.2419

■ 9.6759, 0.1656,
0.1038

■ 42.2767, 0.2676,
0.2687

■ 7.6339, 0.1576,
0.0853

■ 51.7288, 0.2854,
0.2932

■ 7.1589, 0.1558,
0.0808

■ 62.4748, 0.3020,
0.3151

■ 74.5618, 0.3170,
0.3345

■ 88.0343, 0.3306,
0.3514

■ 97.8942, 0.3340,
0.3641

Harmonies

Analogous

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



21.1689, 0.1619, 0.1888



21.1689, 0.2104, 0.1837



21.1689, 0.2937, 0.2059

Triad

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



21.1689, 0.2104, 0.1837



21.1689, 0.5120, 0.3806



21.1689, 0.2178, 0.4262

Complementary

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



21.1689, 0.2104, 0.1837



53.6146, 0.4106, 0.4393

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.



21.1689, 0.3037, 0.5110



21.1689, 0.2104, 0.1837



21.1689, 0.4742, 0.4515

Square

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



21.1689, 0.2104, 0.1837



21.1689, 0.4863, 0.3124



21.1689, 0.3968, 0.5094



21.1689, 0.1631, 0.3098

Rectangle

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



21.1689, 0.2104, 0.1837



21.1689, 0.3637, 0.2340



21.1689, 0.3968, 0.5094



21.1689, 0.2439, 0.4624

Sweetspot

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



21.1696, 0.2104, 0.1837



72.8688, 0.2852, 0.2929



56.8476, 0.2545, 0.3667



14.9880, 0.2817, 0.2882



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.



21.1696, 0.2104, 0.1837



22.1730, 0.1902, 0.1502



17.8414, 0.2297, 0.1581



13.0693, 0.2981, 0.3101



4.3764, 0.1564, 0.0829



0.4110, 0.1648, 0.1132

Inverse Universe

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



24.4615, 0.4472, 0.2983



28.5647, 0.4925, 0.2958



61.6117, 0.3655, 0.4789



13.0972, 0.3258, 0.3240



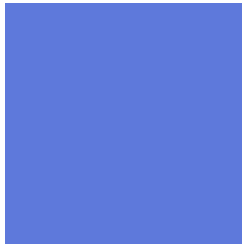
9.0656, 0.6023, 0.3092



0.6002, 0.5564, 0.2839

Previews

White Background



This preview shows how the Yxy color 21.1689, 0.2104, 0.1837 looks on a white background.

Color Contrast Check

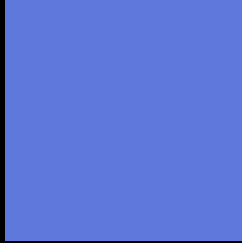
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1689, 0.2104, 0.1837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

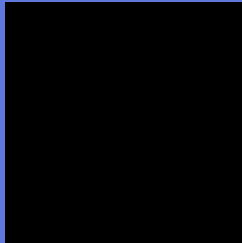
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1689, 0.2104, 0.1837

Background



This preview shows how black text looks on a background with the Yxy color 21.1689, 0.2104, 0.1837.



This preview shows how white text looks on a background with the Yxy color 21.1689, 0.2104, 0.1837.

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

21.1689, 0.2104, 0.1837

Protanopia

21.1802, 0.2035, 0.1825

Deuteranopia

21.3180, 0.1961, 0.1906



Tritanopia

21.1877, 0.2398, 0.3072

Trichromacy



Original Color

21.1689, 0.2104, 0.1837

Protanomaly

21.0648, 0.2057, 0.1827

Deuteranomaly

21.0313, 0.1997, 0.1865

Tritanomaly

20.8251, 0.2267, 0.2520

Monochromacy



Original Color

21.1689, 0.2104, 0.1837

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.1798, 0.2653, 0.2656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1689, 0.2104, 0.1837 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(94, 121, 219)` looks like.

```
.text, #text, p{  
    color:rgb(94, 121, 219)  
}
```

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(94, 121, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 121, 219) }
```

Border

The CSS property to change the border of an element to Yxy 21.1689, 0.2104, 0.1837 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(94, 121, 219) }
```

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

```
.border{ border-color:rgb(94, 121, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 121, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 121, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 121, 219);  
box-shadow:4px 4px 4px 4px rgb(94, 121,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1689, 0.2104, 0.1837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 121, 219) }
```

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

```
.background{ background-color: rgb(94, 121,  
219) }
```

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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