

Converting Colors

$Y_{xy}(21.3872, 0.2087, 0.1751)$

Have a look what the booklet for
Yxy(21.3872, 0.2087, 0.1751)
contains.

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Color

Yxy(21.3364, 0.2085, 0.1745)

Conversions

Conversions Part 1

Format	Color
Hex	6277E3
RGB	98, 119, 227
RGB Percent	38%, 47%, 89%
CMY	0.6159, 0.5333, 0.1098
CMYK	0.57, 0.48, 0.00, 0.11
HSL	230°, 70%, 64%
HSV	230°, 57%, 89%
XYZ	25.4936, 21.3364, 75.4416
YIQ	125.0330, -47.1840, 29.1360

Conversions

Conversions Part 2

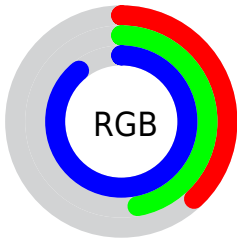
Format	Color
R _Y B	98, 116, 227
Decimal	6453219
CIE Lab	53.32, 23.68, -57.47
CIE LCh	53, 62.153, 292.395
Yxy	21.3364, 0.2085, 0.1745
Android (android.graphics.Color)	4284643299 (0xFF6277E3)
YUV	125.0330, 50.2697, -23.7079
Hunter-Lab	46.1913, 17.6818, -64.5009

Details

The Yxy color **21.3364, 0.2085, 0.1745** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **61.3183, 0.4062, 0.4454**, and the grayscale version is **20.3574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5139, 0.2441, 0.2283**, and **7.6664, 0.1754, 0.1341** is the 20% darker color. If you saturate the color by 10%, you get **16.1703, 0.1903, 0.1441**, and if you desaturate by 10%, it is **27.7652, 0.2281, 0.2057**.

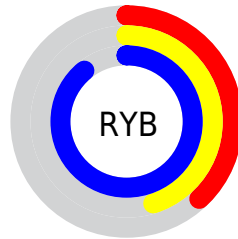
Distribution



Red (38%)

Green (47%)

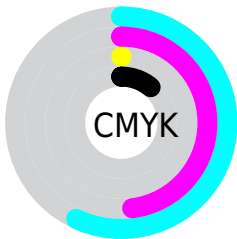
Blue (89%)



Red (38%)

Yellow (45%)

Blue (89%)

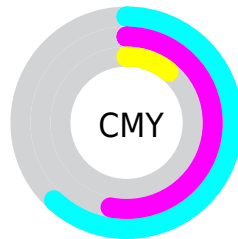


Cyan (57%)

Magenta (48%)

Yellow (0%)

Black (11%)



Cyan (62%)


Magenta (53%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3364, 0.2085, 0.1745 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 21.3364, 0.2085, 0.1745 by changing the saturation by 10% instead.


 21.3364, 0.2085,
0.1745

 21.3364, 0.2085,
0.1745


259.0609, 0.2646,
0.2514

 13.3701, 0.1941,
0.1565


 45.6467, 0.2294,
0.2018

 7.6839, 0.1756,
0.1346


 62.7596, 0.2371,
0.2123

 3.8934, 0.1517,
0.1078

 83.6900, 0.2436,
0.2212

 1.6141, 0.1204,
0.0757

 108.8226, 0.2491,
0.2289

 0.3671, 0.0810,
0.0320

138.5415, 0.2538,
0.2357

 0.0000, 0.0000,
0.0000

173.2313, 0.2579,

0.2416

213.2763, 0.2614,
0.2468

■ 21.3364, 0.2085,
0.1745

■ 21.3364, 0.2085,
0.1745

■ 16.1703, 0.1903,
0.1441

■ 27.7652, 0.2281,
0.2057

■ 12.1795, 0.1747,
0.1166

■ 35.5317, 0.2481,
0.2362

■ 9.2685, 0.1628,
0.0936


■ 44.7076, 0.2674,
0.2649


■ 7.3225, 0.1553,
0.0767


■ 55.3586, 0.2856,
0.2911

■ 6.8721, 0.1535,
0.0726

■ 67.5463, 0.3022,
0.3146

 81.3288, 0.3173,
0.3352

 96.4092, 0.3295,
0.3533

 98.3256, 0.3292,
0.3562

Harmonies

Analogous

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



21.3364, 0.1543, 0.1766



21.3364, 0.2085, 0.1745



21.3364, 0.3009, 0.2003

Triad

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



21.3364, 0.2085, 0.1745



21.3364, 0.5269, 0.3873



21.3364, 0.2019, 0.4247

Complementary

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



21.3364, 0.2085, 0.1745



61.3183, 0.4062, 0.4454

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.



21.3364, 0.2914, 0.5263



21.3364, 0.2085, 0.1745



21.3364, 0.4785, 0.4640

Square

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



21.3364, 0.2085, 0.1745



21.3364, 0.5078, 0.3152



21.3364, 0.3917, 0.5279



21.3364, 0.1484, 0.2964

Rectangle

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



21.3364, 0.2085, 0.1745



21.3364, 0.3783, 0.2313



21.3364, 0.3917, 0.5279



21.3364, 0.2287, 0.4670

Sweetspot

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



21.3371, 0.2085, 0.1745



71.6855, 0.2851, 0.2905



61.9591, 0.2515, 0.3576



14.7118, 0.2815, 0.2854



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.



21.3371, 0.2085, 0.1745



20.1275, 0.1876, 0.1395



19.9316, 0.2353, 0.1606



14.2653, 0.2980, 0.3087



4.1200, 0.1540, 0.0744



0.4197, 0.1606, 0.0980

Inverse Universe

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



26.3882, 0.4565, 0.3060



28.3582, 0.5051, 0.3046



66.0025, 0.3605, 0.4814



14.4062, 0.3267, 0.3252



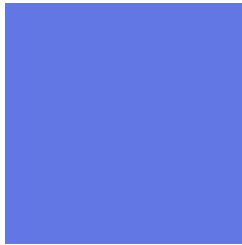
9.6136, 0.6160, 0.3167



0.7221, 0.5789, 0.2963

Previews

White Background



This preview shows how the Yxy color 21.3364, 0.2085, 0.1745 looks on a white background.

Color Contrast Check

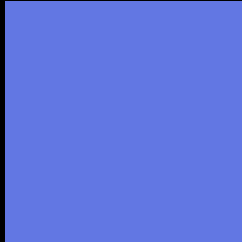
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3364, 0.2085, 0.1745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

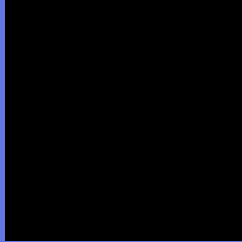
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3364, 0.2085, 0.1745

Background



This preview shows how black text looks on a background with the Yxy color 21.3364, 0.2085, 0.1745.



This preview shows how white text looks on a background with the Yxy color 21.3364, 0.2085, 0.1745.

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

21.3364, 0.2085, 0.1745

Protanopia

21.3519, 0.1955, 0.1721

Deuteranopia

21.5488, 0.1885, 0.1826



Tritanopia

21.2227, 0.2404, 0.3073

Trichromacy



Original Color

21.3364, 0.2085, 0.1745

Protanomaly

21.4261, 0.1996, 0.1730

Deuteranomaly

21.1189, 0.1929, 0.1777

Tritanomaly

20.7593, 0.2258, 0.2459

Monochromacy



Original Color

21.3364, 0.2085, 0.1745

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4194, 0.2646, 0.2614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3364, 0.2085, 0.1745 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(98, 119, 227)` looks like.

```
.text, #text, p{  
    color:rgb(98, 119, 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(98, 119, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 119, 227) }
```

Border

The CSS property to change the border of an element to Yxy 21.3364, 0.2085, 0.1745 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(98, 119, 227) }
```

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

```
.border{ border-color:rgb(98, 119, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 119, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 119, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 119, 227);  
box-shadow:4px 4px 4px 4px rgb(98, 119,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3364, 0.2085, 0.1745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 119, 227) }
```

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

```
.background{ background-color: rgb(98, 119,  
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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