

Converting Colors

$Y_{xy}(21.0792, 0.2050, 0.1804)$

Have a look what the booklet for
Yxy(21.0792, 0.2050, 0.1804)
contains.

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Color

Yxy(21.1714, 0.2048, 0.1808)

Conversions

Conversions Part 1

Format	Color
Hex	567ADE
RGB	86, 122, 222
RGB Percent	34%, 48%, 87%
CMY	0.6629, 0.5216, 0.1293
CMYK	0.61, 0.45, 0.00, 0.13
HSL	224°, 67%, 60%
HSV	224°, 61%, 87%
XYZ	23.9818, 21.1714, 71.9453
YIQ	122.6360, -53.5560, 23.4680

Conversions

Conversions Part 2

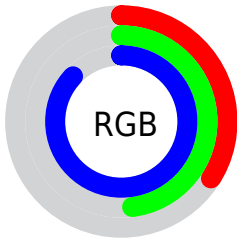
Format	Color
R_{YB}	86, 114, 222
Decimal	5667550
CIE _{Lab}	53.14, 17.95, -55.00
CIE _{LCh}	53, 57.852, 288.073
Yxy	21.1714, 0.2048, 0.1808
Android (android.graphics.Color)	4283857630 (0xFF567ADE)
YUV	122.6360, 48.9865, -32.1298
Hunter-Lab	46.0124, 12.5129, -60.4976

Details

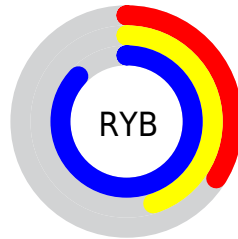
The Yxy color **21.1714, 0.2048, 0.1808** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **51.3168, 0.4227, 0.4394**, and the grayscale version is **19.5289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6031, 0.2379, 0.2303**, and **7.6507, 0.1727, 0.1416** is the 20% darker color. If you saturate the color by 10%, you get **16.6000, 0.1885, 0.1533**, and if you desaturate by 10%, it is **26.7445, 0.2228, 0.2089**.

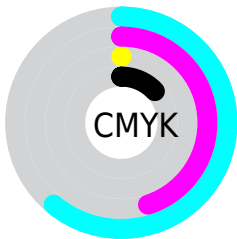
Distribution



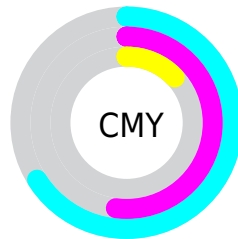
- Red (34%)
- Green (48%)
- Blue (87%)



- Red (34%)
- Yellow (45%)
- Blue (87%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)
- Black (13%)



- Cyan (66%)
- Magenta (52%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1714, 0.2048, 0.1808 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 21.1714, 0.2048, 0.1808 by changing the saturation by 10% instead.

■ 21.1714, 0.2048,
0.1808

■ 21.1714, 0.2048,
0.1808

■ 258.1880, 0.2626,
0.2557

■ 13.2493, 0.1899,
0.1629

■ 45.3726, 0.2263,
0.2076

■ 7.6005, 0.1709,
0.1409

■ 62.4206, 0.2343,
0.2179

■ 3.8404, 0.1463,
0.1137

■ 83.2793, 0.2410,
0.2266

■ 1.5847, 0.1142,
0.0805

■ 108.3331, 0.2466,
0.2341

■ 0.3472, 0.0739,
0.0334

■ 137.9665, 0.2515,
0.2406

■ 0.0000, 0.0000,
0.0000

172.5639, 0.2557,

0.2463

212.5096, 0.2594,
0.2513

■ 21.1714, 0.2048,
0.1808

■ 21.1714, 0.2048,
0.1808

■ 16.6000, 0.1885,
0.1533

■ 26.7445, 0.2228,
0.2089

■ 12.9631, 0.1749,
0.1279

■ 33.3759, 0.2415,
0.2363

■ 10.1874, 0.1646,
0.1058

■ 41.1202, 0.2602,
0.2622

■ 8.3832, 0.1584,
0.0901

■ 50.0274, 0.2782,
0.2860

■ 60.1443, 0.2951,
0.3076

71.5151, 0.3108,
0.3267

84.1818, 0.3251,
0.3436

96.5192, 0.3324,
0.3588

98.0551, 0.3321,
0.3611

Harmonies

Analogous

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



21.1714, 0.1576, 0.1875



21.1714, 0.2048, 0.1808



21.1714, 0.2876, 0.2019

Triad

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



21.1714, 0.2048, 0.1808



21.1714, 0.5163, 0.3767



21.1714, 0.2198, 0.4351

Complementary

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



21.1714, 0.2048, 0.1808



51.3168, 0.4227, 0.4394

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.



21.1714, 0.3082, 0.5178



21.1714, 0.2048, 0.1808



21.1714, 0.4802, 0.4490

Square

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



21.1714, 0.2048, 0.1808



21.1714, 0.4865, 0.3080



21.1714, 0.4027, 0.5105



21.1714, 0.1624, 0.3151

Rectangle

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



21.1714, 0.2048, 0.1808



21.1714, 0.3585, 0.2295



21.1714, 0.4027, 0.5105



21.1714, 0.2469, 0.4714

Sweetspot

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



21.1721, 0.2048, 0.1808



72.6388, 0.2836, 0.2931



57.7657, 0.2553, 0.3801



14.7137, 0.2785, 0.2865



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.



21.1721, 0.2048, 0.1808



20.9441, 0.1837, 0.1447



15.7571, 0.2165, 0.1425



13.8308, 0.2981, 0.3113



5.1340, 0.1590, 0.0924



0.5007, 0.1673, 0.1224

Inverse Universe

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



23.5889, 0.4532, 0.2892



26.4591, 0.5035, 0.2873



63.9088, 0.3733, 0.4858



13.7599, 0.3251, 0.3228



9.4263, 0.5874, 0.3009



0.6680, 0.5433, 0.2766

Previews

White Background



This preview shows how the Yxy color 21.1714, 0.2048, 0.1808 looks on a white background.

Color Contrast Check

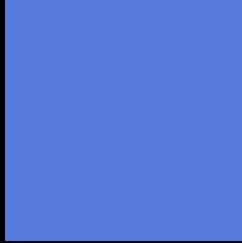
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1714, 0.2048, 0.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

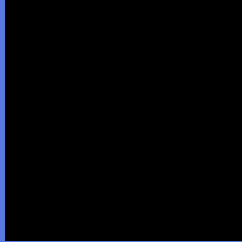
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1714, 0.2048, 0.1808

Background



This preview shows how black text looks on a background with the Yxy color 21.1714, 0.2048, 0.1808.



This preview shows how white text looks on a background with the Yxy color 21.1714, 0.2048, 0.1808.

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

21.1714, 0.2048, 0.1808

Protanopia

21.1991, 0.2017, 0.1803

Deuteranopia

21.2872, 0.1918, 0.1857



Tritanopia

21.0828, 0.2309, 0.3050

Trichromacy



Original Color

21.1714, 0.2048, 0.1808

Protanomaly

21.2875, 0.2027, 0.1807

Deuteranomaly

21.1663, 0.1957, 0.1841

Tritanomaly

20.7271, 0.2192, 0.2496

Monochromacy



Original Color

21.1714, 0.2048, 0.1808

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9841, 0.2623, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1714, 0.2048, 0.1808 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(86, 122, 222)` looks like.

```
.text, #text, p{  
    color:rgb(86, 122, 222)  
}
```

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(86, 122, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 122, 222) }
```

Border

The CSS property to change the border of an element to Yxy 21.1714, 0.2048, 0.1808 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(86, 122, 222) }
```

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

```
.border{ border-color:rgb(86, 122, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 122, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 122, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 122, 222);  
box-shadow:4px 4px 4px 4px rgb(86, 122,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1714, 0.2048, 0.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 122, 222) }
```

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

```
.background{ background-color: rgb(86, 122,  
222) }
```

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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