

Converting Colors

$Y_{xy}(20.2570, 0.1965, 0.1804)$

Have a look what the booklet for
Yxy(20.2570, 0.1965, 0.1804)
contains.

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Color

$Y_{xy}(20.1918, 0.1965, 0.1804)$

Conversions

Conversions Part 1

Format	Color
Hex	427ADB
RGB	66, 122, 219
RGB Percent	26%, 48%, 86%
CMY	0.7409, 0.5216, 0.1413
CMYK	0.70, 0.44, 0.00, 0.14
HSL	218°, 68%, 56%
HSV	218°, 70%, 86%
XYZ	21.9938, 20.1918, 69.7423
YIQ	116.3140, -64.5130, 18.2950

Conversions

Conversions Part 2

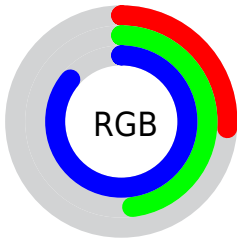
Format	Color
R_{YB}	66, 107, 219
Decimal	4356827
CIE _{Lab}	52.05, 13.63, -55.07
CIE _{LCh}	52, 56.731, 283.905
Yxy	20.1918, 0.1965, 0.1804
Android (android.graphics.Color)	4282546907 (0xFF427ADB)
YUV	116.3140, 50.6242, -44.1254
Hunter-Lab	44.9353, 8.7311, -60.5670

Details

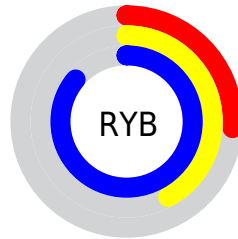
The Yxy color **20.1918, 0.1965, 0.1804** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **41.6684, 0.4515, 0.4345**, and the grayscale version is **17.4289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2379, 0.2290, 0.2281**, and **7.5419, 0.1735, 0.1444** is the 20% darker color. If you saturate the color by 10%, you get **16.4004, 0.1833, 0.1565**, and if you desaturate by 10%, it is **24.7631, 0.2119, 0.2050**.

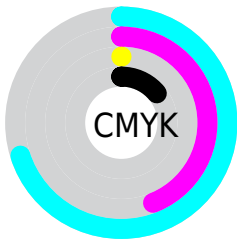
Distribution



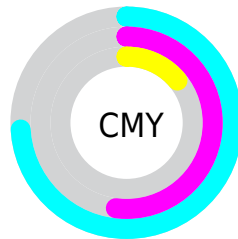
- Red (26%)
- Green (48%)
- Blue (86%)



- Red (26%)
- Yellow (42%)
- Blue (86%)



- Cyan (70%)
- Magenta (44%)
- Yellow (0%)
- Black (14%)



- Cyan (74%)
- Magenta (52%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1918, 0.1965, 0.1804 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 20.1918, 0.1965, 0.1804 by changing the saturation by 10% instead.

■ 20.1918, 0.1965,
0.1804

■ 20.1918, 0.1965,
0.1804

252.9516, 0.2586,
0.2564

■ 12.5345, 0.1806,
0.1621

■ 43.7385, 0.2196,
0.2078

■ 7.1088, 0.1604,
0.1394

■ 60.3968, 0.2281,
0.2182

■ 3.5303, 0.1344,
0.1113

■ 80.8241, 0.2353,
0.2271

■ 1.4144, 0.1011,
0.0772

■ 105.4050, 0.2414,
0.2346

■ 0.2273, 0.0578,
0.0239

■ 134.5238, 0.2466,
0.2412

■ 0.0000, 0.0000,
0.0000

168.5649, 0.2512,

0.2469

207.9127, 0.2551,
0.2519

■ 20.1918, 0.1965,
0.1804

■ 20.1918, 0.1965,
0.1804

■ 16.4004, 0.1833,
0.1565

■ 24.7631, 0.2119,
0.2050

■ 13.3311, 0.1729,
0.1345

■ 30.1615, 0.2287,
0.2294

■ 10.9011, 0.1653,
0.1149

■ 36.4319, 0.2463,
0.2529

■ 10.8628, 0.1652,
0.1146

■ 43.6152, 0.2639,
0.2748

■ 51.7494, 0.2811,
0.2949

■ 60.8699, 0.2975,
0.3131

■ 71.0106, 0.3130,
0.3293

■ 82.2033, 0.3273,
0.3436

■ 92.8976, 0.3350,
0.3566

Harmonies

Analogous

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



20.1918, 0.1542, 0.1914



20.1918, 0.1965, 0.1804



20.1918, 0.2742, 0.1978

Triad

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



20.1918, 0.1965, 0.1804



20.1918, 0.5158, 0.3669



20.1918, 0.2311, 0.4504

Complementary

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



20.1918, 0.1965, 0.1804



41.6684, 0.4515, 0.4345

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.



20.1918, 0.3217, 0.5213



20.1918, 0.1965, 0.1804



20.1918, 0.4878, 0.4388

Square

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



20.1918, 0.1965, 0.1804



20.1918, 0.4762, 0.2990



20.1918, 0.4148, 0.5033



20.1918, 0.1685, 0.3307

Rectangle

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



20.1918, 0.1965, 0.1804



20.1918, 0.3431, 0.2233



20.1918, 0.4148, 0.5033



20.1918, 0.2594, 0.4836

Sweetspot

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



20.1924, 0.1965, 0.1804



71.4305, 0.2788, 0.2923



54.4553, 0.2590, 0.4127



14.5861, 0.2740, 0.2868



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.



20.1924, 0.1965, 0.1804



20.9128, 0.1778, 0.1455



11.0197, 0.1904, 0.1127



13.3930, 0.2981, 0.3138



6.6336, 0.1659, 0.1173



0.5908, 0.1751, 0.1503

Inverse Universe

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



20.3677, 0.4589, 0.2696



24.1672, 0.5080, 0.2706



63.1339, 0.3899, 0.4947



13.1299, 0.3235, 0.3205



9.2934, 0.5504, 0.2806



0.6183, 0.5056, 0.2559

Previews

White Background



This preview shows how the Yxy color 20.1918, 0.1965, 0.1804 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 20.1918, 0.1965, 0.1804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

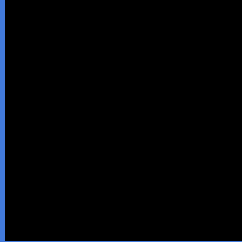
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

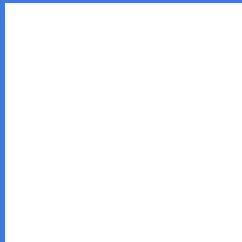
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1918, 0.1965, 0.1804

Background



This preview shows how black text looks on a background with the Yxy color 20.1918, 0.1965, 0.1804.



This preview shows how white text looks on a background with the Yxy color 20.1918, 0.1965, 0.1804.

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

20.1918, 0.1965, 0.1804

Protanopia

20.1050, 0.2025, 0.1813

Deuteranopia

20.1605, 0.1891, 0.1831



Tritanopia

20.0294, 0.2183, 0.3060

Trichromacy



Original Color

20.1918, 0.1965, 0.1804

Protanomaly

20.1925, 0.2000, 0.1810

Deuteranomaly

20.1302, 0.1915, 0.1824

Tritanomaly

19.7527, 0.2059, 0.2500

Monochromacy



Original Color

20.1918, 0.1965, 0.1804

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8534, 0.2547, 0.2634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1918, 0.1965, 0.1804 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(66, 122, 219)` looks like.

```
.text, #text, p{  
    color:rgb(66, 122, 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(66, 122, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 122, 219) }
```

Border

The CSS property to change the border of an element to Yxy 20.1918, 0.1965, 0.1804 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(66, 122, 219) }
```

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

```
.border{ border-color:rgb(66, 122, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 122, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 122, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 122, 219);  
box-shadow:4px 4px 4px 4px rgb(66, 122,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1918, 0.1965, 0.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 122, 219) }
```

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

```
.background{ background-color: rgb(66, 122,  
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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