

Converting Colors

$Y_{xy}(20.1849, 0.1940, 0.1804)$

Have a look what the booklet for
Yxy(20.1849, 0.1940, 0.1804)
contains.

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Color

Yxy(20.2102, 0.1941, 0.1810)

Conversions

Conversions Part 1

Format	Color
Hex	3B7BDB
RGB	59, 123, 219
RGB Percent	23%, 48%, 86%
CMY	0.7686, 0.5176, 0.1412
CMYK	0.73, 0.44, 0.00, 0.14
HSL	216°, 69%, 55%
HSV	216°, 73%, 86%
XYZ	21.6729, 20.2102, 69.7754
YIQ	114.8080, -68.9600, 16.2880

Conversions

Conversions Part 2

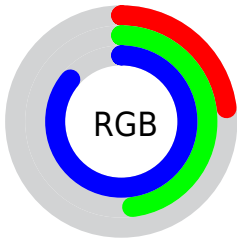
Format	Color
R_{YB}	59, 105, 219
Decimal	3898331
CIE _{Lab}	52.07, 12.04, -55.06
CIE _{LCh}	52, 56.362, 282.338
Yxy	20.2102, 0.1941, 0.1810
Android (android.graphics.Color)	4282088411 (0xFF3B7BDB)
YUV	114.8080, 51.3667, -48.9436
Hunter-Lab	44.9558, 7.3813, -60.5545

Details

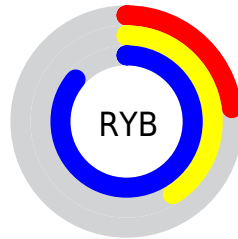
The Yxy color **20.2102, 0.1941, 0.1810** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **38.8242, 0.4637, 0.4314**, and the grayscale version is **16.9425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2399, 0.2266, 0.2288**, and **7.6765, 0.1740, 0.1463** is the 20% darker color. If you saturate the color by 10%, you get **16.6314, 0.1821, 0.1584**, and if you desaturate by 10%, it is **24.5084, 0.2084, 0.2043**.

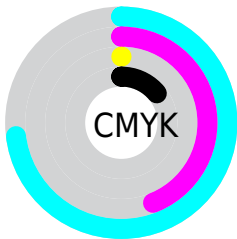
Distribution



- Red (23%)
- Green (48%)
- Blue (86%)



- Red (23%)
- Yellow (41%)
- Blue (86%)



- Cyan (73%)
- Magenta (44%)
- Yellow (0%)
- Black (14%)



- Cyan (77%)
- Magenta (52%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2102, 0.1941, 0.1810 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 20.2102, 0.1941, 0.1810 by changing the saturation by 10% instead.

■ 20.2102, 0.1941,
0.1810

■ 20.2102, 0.1941,
0.1810

■ 253.0508, 0.2573,
0.2569

■ 12.5479, 0.1780,
0.1626

■ 43.7693, 0.2175,
0.2084

■ 7.1180, 0.1576,
0.1400

■ 60.4350, 0.2262,
0.2188

■ 3.5360, 0.1314,
0.1118

■ 80.8705, 0.2336,
0.2276

■ 1.4176, 0.0980,
0.0775

■ 105.4604, 0.2398,
0.2352

■ 0.2296, 0.0541,
0.0243

■ 134.5889, 0.2451,
0.2417

■ 0.0000, 0.0000,
0.0000

168.6406, 0.2497,

0.2474

207.9997, 0.2538,
0.2524

■ 20.2102, 0.1941,
0.1810

■ 20.2102, 0.1941,
0.1810

■ 16.6314, 0.1821,
0.1584

■ 24.5084, 0.2084,
0.2043

■ 13.7151, 0.1729,
0.1376

■ 29.5718, 0.2244,
0.2276

■ 12.0260, 0.1679,
0.1243

■ 35.4437, 0.2413,
0.2501

■ 42.1629, 0.2586,
0.2713

■ 49.7655, 0.2758,
0.2909

■ 58.2854, 0.2923,
0.3086

■ 67.7544, 0.3081,
0.3245

■ 78.2027, 0.3229,
0.3386

■ 89.4465, 0.3358,
0.3511

Harmonies

Analogous

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



20.2102, 0.1537, 0.1936



20.2102, 0.1941, 0.1810



20.2102, 0.2696, 0.1969

Triad

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



20.2102, 0.1941, 0.1810



20.2102, 0.5142, 0.3633



20.2102, 0.2359, 0.4551

Complementary

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



20.2102, 0.1941, 0.1810



38.8242, 0.4637, 0.4314

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.



20.2102, 0.3268, 0.5210



20.2102, 0.1941, 0.1810



20.2102, 0.4897, 0.4347

Square

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



20.2102, 0.1941, 0.1810



20.2102, 0.4712, 0.2959



20.2102, 0.4189, 0.4997



20.2102, 0.1716, 0.3368

Rectangle

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



20.2102, 0.1941, 0.1810



20.2102, 0.3373, 0.2215



20.2102, 0.4189, 0.4997



20.2102, 0.2645, 0.4868

Sweetspot

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



20.2108, 0.1941, 0.1810



71.2392, 0.2772, 0.2925



53.9597, 0.2609, 0.4259



14.5862, 0.2726, 0.2874



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.



20.2108, 0.1941, 0.1810



21.0214, 0.1765, 0.1463



9.7408, 0.1817, 0.1026



13.4676, 0.2981, 0.3146



7.3319, 0.1686, 0.1271



0.6407, 0.1777, 0.1596

Inverse Universe

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



19.6198, 0.4600, 0.2627



23.5837, 0.5084, 0.2657



63.6752, 0.3959, 0.4968



13.1374, 0.3229, 0.3197



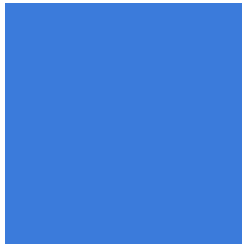
9.3639, 0.5367, 0.2730



0.6234, 0.4936, 0.2493

Previews

White Background



This preview shows how the Yxy color 20.2102, 0.1941, 0.1810 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 20.2102, 0.1941, 0.1810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

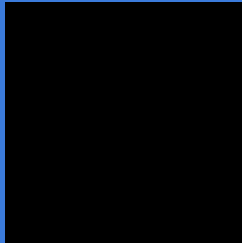
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

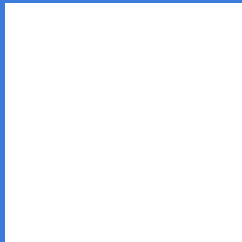
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2102, 0.1941, 0.1810

Background



This preview shows how black text looks on a background with the Yxy color 20.2102, 0.1941, 0.1810.



This preview shows how white text looks on a background with the Yxy color 20.2102, 0.1941, 0.1810.

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

20.2102, 0.1941, 0.1810

Protanopia

20.0963, 0.2035, 0.1824

Deuteranopia

20.1413, 0.1889, 0.1830



Tritanopia

20.0294, 0.2183, 0.3060

Trichromacy



Original Color

20.2102, 0.1941, 0.1810

Protanomaly

20.0622, 0.1995, 0.1816

Deuteranomaly

20.0581, 0.1906, 0.1821

Tritanomaly

19.7180, 0.2053, 0.2499

Monochromacy



Original Color

20.2102, 0.1941, 0.1810

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.6897, 0.2518, 0.2629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2102, 0.1941, 0.1810 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(59, 123, 219)` looks like.

```
.text, #text, p{  
    color:rgb(59, 123, 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(59, 123, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 123, 219) }
```

Border

The CSS property to change the border of an element to Yxy 20.2102, 0.1941, 0.1810 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(59, 123, 219) }
```

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

```
.border{ border-color:rgb(59, 123, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 123, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 123, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 123, 219);  
box-shadow:4px 4px 4px 4px rgb(59, 123,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2102, 0.1941, 0.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 123, 219) }
```

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

```
.background{ background-color: rgb(59, 123,  
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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