

Converting Colors

$Y_{xy}(16.8320, 0.2029, 0.1790)$

Have a look what the booklet for
Yxy(16.8320, 0.2029, 0.1790)
contains.

Yxy(16.9120, 0.2032, 0.1796)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.9120, 0.2032, 0.1796)

Conversions

Conversions Part 1

Format	Color
Hex	4B6ECA
RGB	75, 110, 202
RGB Percent	29%, 43%, 79%
CMY	0.7060, 0.5686, 0.2079
CMYK	0.63, 0.46, 0.00, 0.21
HSL	223°, 54%, 54%
HSV	223°, 63%, 79%
XYZ	19.1343, 16.9120, 58.1185
YIQ	110.0230, -50.3920, 21.1920

Conversions

Conversions Part 2

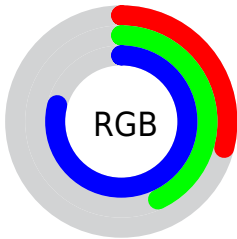
Format	Color
R_{YB}	75, 102, 202
Decimal	4943562
CIE Lab	48.15, 16.54, -51.63
CIE LCh	48, 54.218, 287.758
Yxy	16.9120, 0.2032, 0.1796
Android (android.graphics.Color)	4283133642 (0xFF4B6ECA)
YUV	110.0230, 45.3447, -30.7152
Hunter-Lab	41.1242, 11.0852, -55.0043

Details

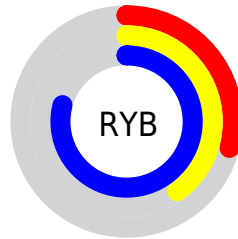
The Yxy color **16.9120, 0.2032, 0.1796** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **40.6772, 0.4261, 0.4396**, and the grayscale version is **15.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8606, 0.2286, 0.2122**, and **5.6616, 0.1717, 0.1380** is the 20% darker color. If you saturate the color by 10%, you get **13.3233, 0.1874, 0.1527**, and if you desaturate by 10%, it is **21.2811, 0.2208, 0.2071**.

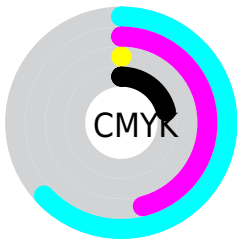
Distribution



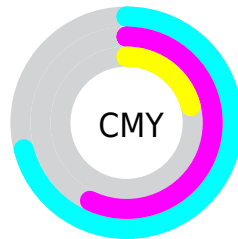
- Red (29%)
- Green (43%)
- Blue (79%)



- Red (29%)
- Yellow (40%)
- Blue (79%)



- Cyan (63%)
- Magenta (46%)
- Yellow (0%)
- Black (21%)



- Cyan (71%)
- Magenta (57%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9120, 0.2032, 0.1796 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 16.9120, 0.2032, 0.1796 by changing the saturation by 10% instead.

■ 16.9120, 0.2032,
0.1796

■ 16.9120, 0.2032,
0.1796

234.6648, 0.2639,
0.2579

■ 10.1718, 0.1869,
0.1601

■ 38.1744, 0.2263,
0.2083

■ 5.5130, 0.1656,
0.1357

■ 53.4654, 0.2347,
0.2191

■ 2.5513, 0.1376,
0.1052

■ 72.3754, 0.2417,
0.2281

■ 0.9022, 0.1005,
0.0679

■ 95.2888, 0.2475,
0.2359

■ 0.0000, 0.0337,
0.0000

122.5901, 0.2525,
0.2425

■ 0.0000, 0.0000,
0.0000

154.6636, 0.2568,

0.2483

191.8937, 0.2606,
0.2534

■ 16.9120, 0.2032,
0.1796

■ 16.9120, 0.2032,
0.1796

■ 13.3233, 0.1874,
0.1527

■ 21.2811, 0.2208,
0.2071

■ 10.4625, 0.1742,
0.1278

■ 26.4750, 0.2392,
0.2341

■ 8.2718, 0.1644,
0.1062

■ 32.5362, 0.2577,
0.2598

■ 7.0644, 0.1593,
0.0933

■ 39.5038, 0.2756,
0.2834

■ 47.4144, 0.2926,
0.3048

■ 56.3025, 0.3084,
0.3239

■ 66.2007, 0.3229,
0.3408

■ 77.1401, 0.3361,
0.3556

■ 88.8160, 0.3467,
0.3686

Harmonies

Analogous

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



16.9120, 0.1561, 0.1866



16.9120, 0.2032, 0.1796



16.9120, 0.2863, 0.2005

Triad

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



16.9120, 0.2032, 0.1796



16.9120, 0.5181, 0.3760



16.9120, 0.2197, 0.4375

Complementary

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



16.9120, 0.2032, 0.1796



40.6772, 0.4261, 0.4396

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.



16.9120, 0.3089, 0.5203



16.9120, 0.2032, 0.1796



16.9120, 0.4821, 0.4488

Square

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



16.9120, 0.2032, 0.1796



16.9120, 0.4875, 0.3069



16.9120, 0.4041, 0.5115



16.9120, 0.1615, 0.3159

Rectangle

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



16.9120, 0.2032, 0.1796



16.9120, 0.3577, 0.2282



16.9120, 0.4041, 0.5115



16.9120, 0.2471, 0.4741

Sweetspot

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



16.9125, 0.2032, 0.1796



71.5629, 0.2819, 0.2914



46.4783, 0.2558, 0.3848



14.5145, 0.2769, 0.2850



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.



16.9125, 0.2032, 0.1796



20.9102, 0.1829, 0.1446



12.1459, 0.2124, 0.1379



11.3394, 0.2983, 0.3117



4.6766, 0.1599, 0.0955



0.3707, 0.1709, 0.1353

Inverse Universe

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



18.7084, 0.4553, 0.2870



26.1715, 0.5042, 0.2854



51.7898, 0.3758, 0.4873



11.2637, 0.3247, 0.3226



8.2751, 0.5826, 0.2983



0.4400, 0.5255, 0.2668

Previews

White Background



This preview shows how the Yxy color 16.9120, 0.2032, 0.1796 looks on a white background.

Color Contrast Check

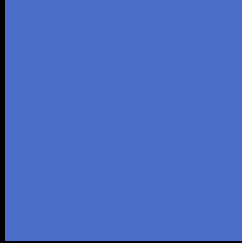
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.9120, 0.2032, 0.1796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

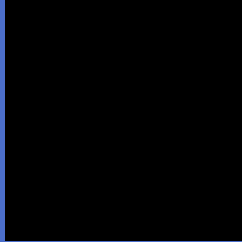
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9120, 0.2032, 0.1796

Background



This preview shows how black text looks on a background with the Yxy color 16.9120, 0.2032, 0.1796.



This preview shows how white text looks on a background with the Yxy color 16.9120, 0.2032, 0.1796.

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

16.9120, 0.2032, 0.1796

Protanopia

16.9828, 0.2004, 0.1792

Deuteranopia

16.8718, 0.1897, 0.1836



Tritanopia

16.8478, 0.2285, 0.3069

Trichromacy



Original Color

16.9120, 0.2032, 0.1796

Protanomaly

17.0584, 0.2015, 0.1796

Deuteranomaly

16.7311, 0.1934, 0.1817

Tritanomaly

16.6662, 0.2170, 0.2513

Monochromacy



Original Color

16.9120, 0.2032, 0.1796

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6764, 0.2606, 0.2642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9120, 0.2032, 0.1796 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(75, 110, 202)` looks like.

```
.text, #text, p{  
    color:rgb(75, 110, 202)  
}
```

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(75, 110, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 110, 202) }
```

Border

The CSS property to change the border of an element to Yxy 16.9120, 0.2032, 0.1796 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(75, 110, 202) }
```

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

```
.border{ border-color:rgb(75, 110, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 110, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 110, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 110, 202);  
box-shadow:4px 4px 4px 4px rgb(75, 110,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9120, 0.2032, 0.1796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 110, 202) }
```

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

```
.background{ background-color: rgb(75, 110,  
202) }
```

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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