

Converting Colors

$Y_{xy}(18.3096, 0.2220, 0.2261)$

Have a look what the booklet for
Yxy(18.3096, 0.2220, 0.2261)
contains.

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Color

Yxy(18.3096, 0.2220, 0.2261)

Conversions

Conversions Part 1

Format	Color
Hex	4F78B2
RGB	79, 120, 178
RGB Percent	31%, 47%, 70%
CMY	0.6900, 0.5294, 0.3021
CMYK	0.56, 0.33, 0.00, 0.30
HSL	215°, 39%, 50%
HSV	215°, 56%, 70%
XYZ	17.9776, 18.3096, 44.6929
YIQ	114.3530, -43.0540, 9.3460

Conversions

Conversions Part 2

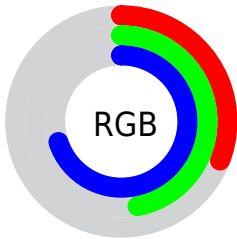
Format	Color
R_{YB}	79, 108, 178
Decimal	5208242
CIE Lab	49.87, 3.09, -35.07
CIE LCh	50, 35.204, 275.040
Yxy	18.3096, 0.2220, 0.2261
Android (android.graphics.Color)	4283398322 (0xFF4F78B2)
YUV	114.3530, 31.3780, -31.0046
Hunter-Lab	42.7897, 0.1126, -31.9743

Details

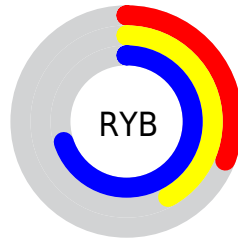
The Yxy color **18.3096, 0.2220, 0.2261** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.9264, 0.4228, 0.4111**, and the grayscale version is **16.8557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5965, 0.2418, 0.2479**, and **6.1865, 0.1888, 0.1897** is the 20% darker color. If you saturate the color by 10%, you get **15.2722, 0.2067, 0.2036**, and if you desaturate by 10%, it is **21.8259, 0.2384, 0.2479**.

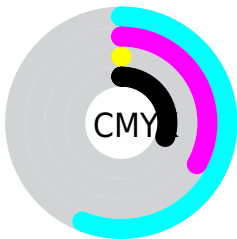
Distribution



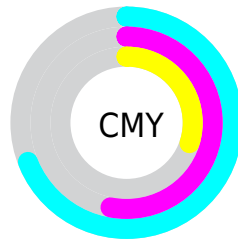
- Red (31%)
- Green (47%)
- Blue (70%)



- Red (31%)
- Yellow (42%)
- Blue (70%)



- Cyan (56%)
- Magenta (33%)
- Yellow (0%)
- Black (30%)



- Cyan (69%)
- Magenta (53%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3096, 0.2220, 0.2261 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 18.3096, 0.2220, 0.2261 by changing the saturation by 10% instead.

■ 18.3096, 0.2220,
0.2261

■ 18.3096, 0.2220,
0.2261

■ 242.6104, 0.2725,
0.2827

■ 11.1725, 0.2079,
0.2105

■ 40.5642, 0.2415,
0.2478

■ 6.1830, 0.1889,
0.1897

■ 56.4504, 0.2485,
0.2557

■ 2.9567, 0.1627,
0.1613

■ 76.0219, 0.2543,
0.2622

■ 1.1091, 0.1253,
0.1214

■ 99.6628, 0.2591,
0.2676

■ 0.0000, 0.0183,
0.0000

■ 127.7578, 0.2632,
0.2722

■ 0.0000, 0.0000,
0.0000

160.6911, 0.2667,

0.2762

198.8472, 0.2698,
0.2797

■ 18.3096, 0.2220,
0.2261

■ 18.3096, 0.2220,
0.2261

■ 15.2722, 0.2067,
0.2036

■ 21.8259, 0.2384,
0.2479

■ 12.6865, 0.1930,
0.1811

■ 25.8425, 0.2553,
0.2686

■ 10.5245, 0.1817,
0.1594

■ 30.3813, 0.2722,
0.2878

■ 8.7521, 0.1730,
0.1393

■ 35.4625, 0.2886,
0.3053

■ 8.0669, 0.1697,
0.1309

■ 41.1049, 0.3043,
0.3210

■ 47.3265, 0.3192,
0.3350

■ 54.1443, 0.3330,
0.3474

■ 61.5746, 0.3459,
0.3582

■ 69.6330, 0.3577,
0.3678

Harmonies

Analogous

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



18.3096, 0.1974, 0.2440



18.3096, 0.2220, 0.2261



18.3096, 0.2708, 0.2318

Triad

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



18.3096, 0.2220, 0.2261



18.3096, 0.4418, 0.3478



18.3096, 0.2793, 0.4202

Complementary

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



18.3096, 0.2220, 0.2261



27.9264, 0.4228, 0.4111

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.



18.3096, 0.3440, 0.4517



18.3096, 0.2220, 0.2261



18.3096, 0.4409, 0.3980

Square

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



18.3096, 0.2220, 0.2261



18.3096, 0.4023, 0.2985



18.3096, 0.4035, 0.4387



18.3096, 0.2269, 0.3546

Rectangle

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



18.3096, 0.2220, 0.2261



18.3096, 0.3138, 0.2470



18.3096, 0.4035, 0.4387



18.3096, 0.3003, 0.4358

Sweetspot

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



18.3102, 0.2220, 0.2261



62.6810, 0.2858, 0.3024



35.2947, 0.2684, 0.4007



13.4731, 0.2826, 0.2990



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3102, 0.2220, 0.2261



26.4189, 0.2030, 0.1978



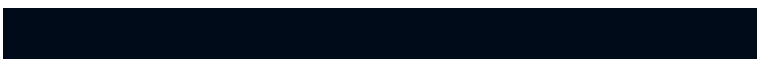
10.8529, 0.2142, 0.1571



8.7888, 0.2985, 0.3153



5.8917, 0.1703, 0.1330



0.3016, 0.1861, 0.1899

Inverse Universe

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



16.4172, 0.4050, 0.2709



24.3339, 0.4389, 0.2623



40.9126, 0.3834, 0.4634



8.5617, 0.3224, 0.3196



7.1349, 0.5286, 0.2686



0.2362, 0.4568, 0.2290

Previews

White Background



This preview shows how the Yxy color 18.3096, 0.2220, 0.2261 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 18.3096, 0.2220, 0.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

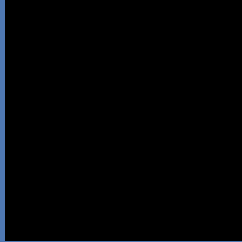
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

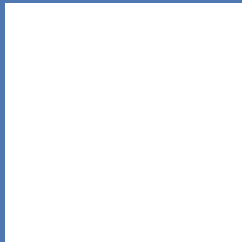
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3096, 0.2220, 0.2261

Background



This preview shows how black text looks on a background with the Yxy color 18.3096, 0.2220, 0.2261.



This preview shows how white text looks on a background with the Yxy color 18.3096, 0.2220, 0.2261.

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

18.3096, 0.2220, 0.2261

Protanopia

18.1826, 0.2370, 0.2265

Deuteranopia

18.3852, 0.2285, 0.2231



Tritanopia

18.3633, 0.2419, 0.3080

Trichromacy



Original Color

18.3096, 0.2220, 0.2261

Protanomaly

18.0813, 0.2309, 0.2255

Deuteranomaly

18.4268, 0.2259, 0.2241

Tritanomaly

18.2323, 0.2333, 0.2737

Monochromacy



Original Color

18.3096, 0.2220, 0.2261

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.0636, 0.2720, 0.2877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3096, 0.2220, 0.2261 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(79, 120, 178)` looks like.

```
.text, #text, p{  
    color:rgb(79, 120, 178)  
}
```

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(79, 120, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 120, 178) }
```

Border

The CSS property to change the border of an element to Yxy 18.3096, 0.2220, 0.2261 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(79, 120, 178) }
```

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

```
.border{ border-color:rgb(79, 120, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 120, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 120, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 120, 178);  
box-shadow:4px 4px 4px 4px rgb(79, 120,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3096, 0.2220, 0.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 120, 178) }
```

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

```
.background{ background-color: rgb(79, 120,  
178) }
```

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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