

Converting Colors

$Y_{xy}(18.3210, 0.2194, 0.2791)$

Have a look what the booklet for
Yxy(18.3210, 0.2194, 0.2791)
contains.

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Color

Yxy(18.4515, 0.2198, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	288199
RGB	40, 129, 153
RGB Percent	16%, 51%, 60%
CMY	0.8430, 0.4941, 0.4001
CMYK	0.74, 0.16, 0.00, 0.40
HSL	193°, 59%, 38%
HSV	193°, 74%, 60%
XYZ	14.4741, 18.4515, 32.9256
YIQ	105.1250, -60.7480, -11.4040

Conversions

Conversions Part 2

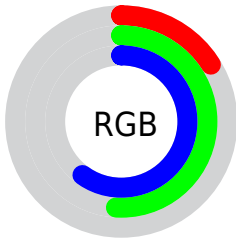
Format	Color
R_{YB}	40, 90, 153
Decimal	2654617
CIE _{Lab}	50.04, -17.65, -20.38
CIE _{LCh}	50, 26.959, 229.114
Yxy	18.4515, 0.2198, 0.2802
Android (android.graphics.Color)	4280844697 (0xFF288199)
YUV	105.1250, 23.6024, -57.1146
Hunter-Lab	42.9552, -15.0247, -15.3777

Details

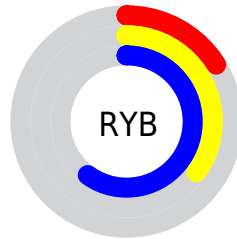
The Yxy color **18.4515, 0.2198, 0.2802** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.5904, 0.5259, 0.3629**, and the grayscale version is **14.1113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7857, 0.2401, 0.2926**, and **6.6966, 0.2062, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **17.3618, 0.2131, 0.2726**, and if you desaturate by 10%, it is **19.6911, 0.2284, 0.2878**.

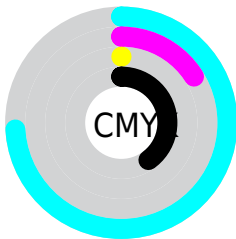
Distribution



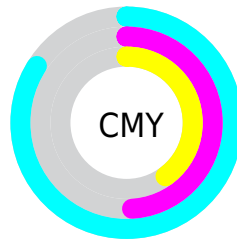
- Red (16%)
- Green (51%)
- Blue (60%)



- Red (16%)
- Yellow (35%)
- Blue (60%)



- Cyan (74%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (84%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4515, 0.2198, 0.2802 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 18.4515, 0.2198, 0.2802 by changing the saturation by 10% instead.

18.4515, 0.2198,
0.2802

18.4515, 0.2198,
0.2802

243.4038, 0.2714,
0.3093

11.2746, 0.2051,
0.2710

40.8052, 0.2399,
0.2921

6.2519, 0.1853,
0.2577

56.7508, 0.2470,
0.2962

2.9988, 0.1572,
0.2374

76.3881, 0.2529,
0.2994

1.1311, 0.1129,
0.2041

100.1014, 0.2578,
0.3021

0.0043, 0.0000,
0.0029

128.2753, 0.2620,
0.3044

0.0000, 0.0000,
0.0000

161.2941, 0.2656,

0.3063

199.5421, 0.2687,
0.3079

■ 18.4515, 0.2198,
0.2802

■ 18.4515, 0.2198,
0.2802

■ 17.3618, 0.2131,
0.2726

■ 19.6911, 0.2284,
0.2878

■ 16.4045, 0.2082,
0.2650

■ 21.0915, 0.2387,
0.2952

■ 15.8545, 0.2056,
0.2603

■ 22.6651, 0.2505,
0.3024

■ 24.4218, 0.2635,
0.3092

■ 26.3713, 0.2775,
0.3156

■ 28.5220, 0.2920,
0.3216

■ 30.8821, 0.3070,
0.3270

■ 33.4592, 0.3220,
0.3320

■ 36.2605, 0.3369,
0.3364

Harmonies

Analogous

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



18.4515, 0.2330, 0.3247



18.4515, 0.2198, 0.2802



18.4515, 0.2286, 0.2539

Triad

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



18.4515, 0.2198, 0.2802



18.4515, 0.3564, 0.2871



18.4515, 0.3642, 0.4212

Complementary

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



18.4515, 0.2198, 0.2802



10.5904, 0.5259, 0.3629

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.



18.4515, 0.4018, 0.4009



18.4515, 0.2198, 0.2802



18.4515, 0.3986, 0.3243

Square

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



18.4515, 0.2198, 0.2802



18.4515, 0.3040, 0.2599



18.4515, 0.4153, 0.3648



18.4515, 0.3146, 0.4136

Rectangle

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



18.4515, 0.2198, 0.2802



18.4515, 0.2461, 0.2476



18.4515, 0.4153, 0.3648



18.4515, 0.3788, 0.4170

Sweetspot

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



18.4522, 0.2198, 0.2802



47.7606, 0.2795, 0.3165



23.5814, 0.2907, 0.5213



10.3478, 0.2760, 0.3150



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.4522, 0.2198, 0.2802



29.8921, 0.2095, 0.2673



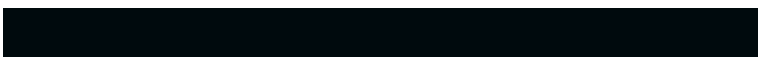
7.6366, 0.1896, 0.1597



6.8039, 0.2989, 0.3242



13.1568, 0.2058, 0.2609



0.2464, 0.2151, 0.2945

Inverse Universe

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



9.8746, 0.3610, 0.1996



15.2824, 0.3748, 0.1892



20.1391, 0.4462, 0.4465



6.3012, 0.3168, 0.3116



6.7335, 0.3816, 0.1876



0.1057, 0.3503, 0.1704

Previews

White Background



This preview shows how the Yxy color 18.4515, 0.2198, 0.2802 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 18.4515, 0.2198, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

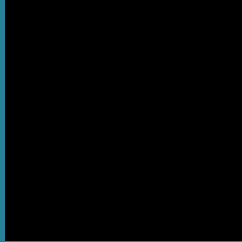
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4515, 0.2198, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 18.4515, 0.2198, 0.2802.



This preview shows how white text looks on a background with the Yxy color 18.4515, 0.2198, 0.2802.

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

18.4515, 0.2198, 0.2802

Protanopia

18.2117, 0.2763, 0.2771

Deuteranopia

18.2061, 0.2636, 0.2569



Tritanopia

18.4769, 0.2243, 0.3055

Trichromacy



Original Color

18.4515, 0.2198, 0.2802

Protanomaly

17.7913, 0.2487, 0.2762

Deuteranomaly

17.9726, 0.2424, 0.2640

Tritanomaly

18.3807, 0.2223, 0.2954

Monochromacy



Original Color

18.4515, 0.2198, 0.2802

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.1891, 0.2650, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4515, 0.2198, 0.2802 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(40, 129, 153)` looks like.

```
.text, #text, p{  
    color:rgb(40, 129, 153)  
}
```

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(40, 129, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 129, 153) }
```

Border

The CSS property to change the border of an element to Yxy 18.4515, 0.2198, 0.2802 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(40, 129, 153) }
```

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

```
.border{ border-color:rgb(40, 129, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 129, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 129, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 129, 153);  
box-shadow:4px 4px 4px 4px rgb(40, 129,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4515, 0.2198, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 129, 153) }
```

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

```
.background{ background-color: rgb(40, 129,  
153) }
```

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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