

Converting Colors

$Yxy(18.2066, 0.2174, 0.2812)$

Have a look what the booklet for
Yxy(18.2066, 0.2174, 0.2812)
contains.

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Color

Yxy(18.2746, 0.2175, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	208198
RGB	32, 129, 152
RGB Percent	13%, 51%, 60%
CMY	0.8751, 0.4941, 0.4039
CMYK	0.79, 0.15, 0.00, 0.40
HSL	191°, 65%, 36%
HSV	191°, 79%, 60%
XYZ	14.1098, 18.2746, 32.4882
YIQ	102.6190, -65.1950, -13.4110

Conversions

Conversions Part 2

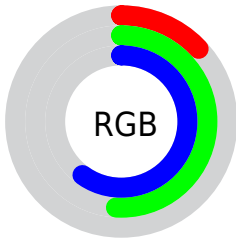
Format	Color
R_{YB}	32, 86, 152
Decimal	2130328
CIE _{Lab}	49.83, -18.99, -20.15
CIE _{LCh}	50, 27.689, 226.693
Yxy	18.2746, 0.2175, 0.2817
Android (android.graphics.Color)	4280320408 (0xFF208198)
YUV	102.6190, 24.3448, -61.9329
Hunter-Lab	42.7488, -15.8942, -15.1350

Details

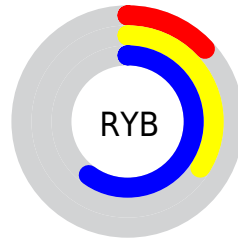
The Yxy color **18.2746, 0.2175, 0.2817** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.4965, 0.5500, 0.3586**, and the grayscale version is **13.3955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4535, 0.2381, 0.2937**, and **6.6769, 0.2069, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **17.3311, 0.2120, 0.2749**, and if you desaturate by 10%, it is **19.3534, 0.2248, 0.2885**.

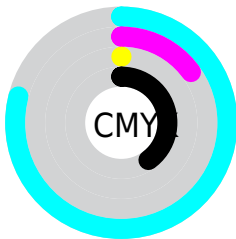
Distribution



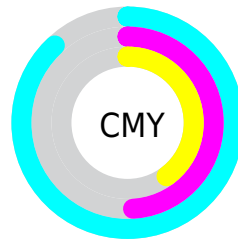
- Red (13%)
- Green (51%)
- Blue (60%)



- Red (13%)
- Yellow (34%)
- Blue (60%)



- Cyan (79%)
- Magenta (15%)
- Yellow (0%)
- Black (40%)



- Cyan (88%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2746, 0.2175, 0.2817 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 18.2746, 0.2175, 0.2817 by changing the saturation by 10% instead.

18.2746, 0.2175,
0.2817

18.2746, 0.2175,
0.2817

242.4143, 0.2704,
0.3101

11.1473, 0.2025,
0.2726

40.5047, 0.2381,
0.2934

6.1660, 0.1821,
0.2595

56.3763, 0.2454,
0.2974

2.9463, 0.1534,
0.2392

75.9314, 0.2514,
0.3005

1.1038, 0.1065,
0.2060

99.5545, 0.2565,
0.3031

0.0000, 0.0000,
0.0000

127.6300, 0.2608,
0.3053

160.5421, 0.2644,

0.3072

198.6755, 0.2676,
0.3087

■ 18.2746, 0.2175,
0.2817

■ 18.2746, 0.2175,
0.2817

■ 17.3311, 0.2120,
0.2749

■ 19.3534, 0.2248,
0.2885

■ 16.4907, 0.2080,
0.2682

■ 20.5794, 0.2340,
0.2952

■ 16.4119, 0.2076,
0.2675

■ 21.9652, 0.2448,
0.3018

■ 23.5213, 0.2570,
0.3081

■ 25.2574, 0.2703,
0.3140

■ 27.1823, 0.2845,
0.3196

■ 29.3041, 0.2992,
0.3247

■ 31.6305, 0.3142,
0.3294

■ 34.1686, 0.3292,
0.3337

Harmonies

Analogous

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



18.2746, 0.2327, 0.3287



18.2746, 0.2175, 0.2817



18.2746, 0.2247, 0.2531

Triad

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



18.2746, 0.2175, 0.2817



18.2746, 0.3534, 0.2832



18.2746, 0.3694, 0.4232

Complementary

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



18.2746, 0.2175, 0.2817



9.4965, 0.5500, 0.3586

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.



18.2746, 0.4066, 0.4002



18.2746, 0.2175, 0.2817



18.2746, 0.3985, 0.3207

Square

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



18.2746, 0.2175, 0.2817



18.2746, 0.2994, 0.2564



18.2746, 0.4182, 0.3623



18.2746, 0.3188, 0.4183

Rectangle

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



18.2746, 0.2175, 0.2817



18.2746, 0.2415, 0.2456



18.2746, 0.4182, 0.3623



18.2746, 0.3839, 0.4181

Sweetspot

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



18.2753, 0.2175, 0.2817



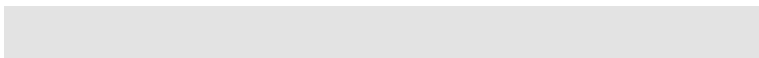
46.0947, 0.2767, 0.3166



23.0259, 0.2918, 0.5384



10.2276, 0.2721, 0.3148



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.



18.2753, 0.2175, 0.2817



29.4359, 0.2090, 0.2697



6.9400, 0.1836, 0.1509



6.8256, 0.2989, 0.3246



13.8040, 0.2078, 0.2680



0.2522, 0.2161, 0.2979

Inverse Universe

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



9.2860, 0.3603, 0.1920



14.5571, 0.3729, 0.1849



18.8030, 0.4577, 0.4477



6.3034, 0.3165, 0.3112



6.7988, 0.3748, 0.1838



0.1063, 0.3472, 0.1687

Previews

White Background



This preview shows how the Yxy color 18.2746, 0.2175, 0.2817 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 18.2746, 0.2175, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

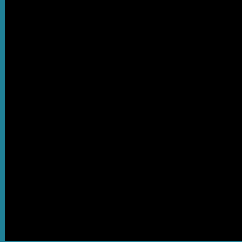
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2746, 0.2175, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 18.2746, 0.2175, 0.2817.



This preview shows how white text looks on a background with the Yxy color 18.2746, 0.2175, 0.2817.

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

18.2746, 0.2175, 0.2817

Protanopia

18.1505, 0.2783, 0.2806

Deuteranopia

18.1086, 0.2634, 0.2583



Tritanopia

18.2941, 0.2216, 0.3074

Trichromacy



Original Color

18.2746, 0.2175, 0.2817

Protanomaly

17.5891, 0.2477, 0.2794

Deuteranomaly

17.7572, 0.2398, 0.2651

Tritanomaly

18.2038, 0.2199, 0.2971

Monochromacy



Original Color

18.2746, 0.2175, 0.2817

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.5466, 0.2613, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2746, 0.2175, 0.2817 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(32, 129, 152)` looks like.

```
.text, #text, p{  
    color:rgb(32, 129, 152)  
}
```

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(32, 129, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 129, 152) }
```

Border

The CSS property to change the border of an element to Yxy 18.2746, 0.2175, 0.2817 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(32, 129, 152) }
```

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

```
.border{ border-color:rgb(32, 129, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 129, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 129, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 129, 152);  
box-shadow:4px 4px 4px 4px rgb(32, 129,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2746, 0.2175, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 129, 152) }
```

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

```
.background{ background-color: rgb(32, 129,  
152) }
```

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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