

Converting Colors

$Yxy(16.8199, 0.2265, 0.3047)$

Have a look what the booklet for
Yxy(16.8199, 0.2265, 0.3047)
contains.

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Color

Yxy(16.8199, 0.2265, 0.3047)

Conversions

Conversions Part 1

Format	Color
Hex	247D88
RGB	36, 125, 136
RGB Percent	14%, 49%, 53%
CMY	0.8591, 0.5098, 0.4667
CMYK	0.74, 0.08, 0.00, 0.47
HSL	187°, 58%, 34%
HSV	187°, 74%, 53%
XYZ	12.5031, 16.8199, 25.8785
YIQ	99.6430, -56.5750, -15.4470

Conversions

Conversions Part 2

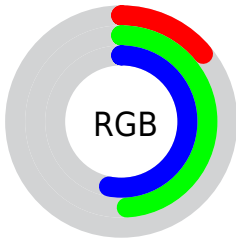
Format	Color
R_{YB}	36, 83, 136
Decimal	2391432
CIE _{Lab}	48.03, -21.71, -13.49
CIE _{LCh}	48, 25.558, 211.847
Yxy	16.8199, 0.2265, 0.3047
Android (android.graphics.Color)	4280581512 (0xFF247D88)
YUV	99.6430, 17.9240, -55.8149
Hunter-Lab	41.0121, -17.3527, -8.7033

Details

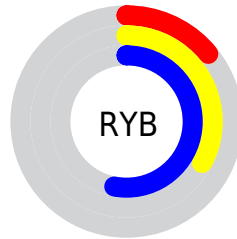
The Yxy color **16.8199, 0.2265, 0.3047** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.3883, 0.5377, 0.3459**, and the grayscale version is **12.6090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0563, 0.2462, 0.3119**, and **5.8408, 0.2152, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **16.2456, 0.2210, 0.3010**, and if you desaturate by 10%, it is **17.4941, 0.2338, 0.3084**.

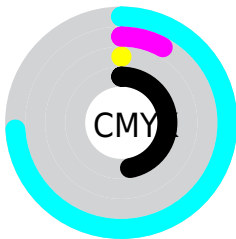
Distribution



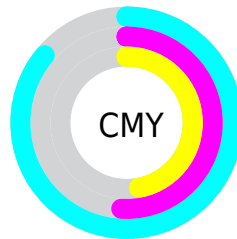
- Red (14%)
- Green (49%)
- Blue (53%)



- Red (14%)
- Yellow (33%)
- Blue (53%)



- Cyan (74%)
- Magenta (8%)
- Yellow (0%)
- Black (47%)





- Cyan (86%)
- Magenta (51%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8199, 0.2265, 0.3047 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 16.8199, 0.2265, 0.3047 by changing the saturation by 10% instead.


 16.8199, 0.2265,
0.3047


 16.8199, 0.2265,
0.3047


 234.1324, 0.2754,
0.3202


 10.1062, 0.2120,
0.2992


 38.0159, 0.2459,
0.3114


 5.4694, 0.1920,
0.2908

 53.2669, 0.2526,
0.3135


 2.5252, 0.1627,
0.2768

 72.1324, 0.2582,
0.3152

 0.8892, 0.0911,
0.2571

 94.9970, 0.2628,
0.3166

 0.0000, 0.0000,
0.0000

 122.2448, 0.2667,
0.3177

 154.2604, 0.2700,

0.3187

191.4281, 0.2729,
0.3195

■ 16.8199, 0.2265,
0.3047

■ 16.8199, 0.2265,
0.3047

■ 16.2456, 0.2210,
0.3010

■ 17.4941, 0.2338,
0.3084

■ 15.7578, 0.2173,
0.2973

■ 18.2757, 0.2428,
0.3121

■ 15.4668, 0.2153,
0.2950

■ 19.1738, 0.2535,
0.3156

■ 20.1959, 0.2655,
0.3190

■ 21.3486, 0.2787,
0.3222

■ 22.6384, 0.2927,
0.3253

■ 24.0711, 0.3074,
0.3281

■ 25.6523, 0.3224,
0.3306

■ 27.3871, 0.3375,
0.3329

Harmonies

Analogous

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



16.8199, 0.2515, 0.3542



16.8199, 0.2265, 0.3047



16.8199, 0.2227, 0.2679

Triad

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



16.8199, 0.2265, 0.3047



16.8199, 0.3261, 0.2711



16.8199, 0.3866, 0.4104

Complementary

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



16.8199, 0.2265, 0.3047



7.3883, 0.5377, 0.3459

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.



16.8199, 0.4109, 0.3803



16.8199, 0.2265, 0.3047



16.8199, 0.3751, 0.3026

Square

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



16.8199, 0.2265, 0.3047



16.8199, 0.2768, 0.2524



16.8199, 0.4072, 0.3414



16.8199, 0.3433, 0.4198

Rectangle

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



16.8199, 0.2265, 0.3047



16.8199, 0.2321, 0.2541



16.8199, 0.4072, 0.3414



16.8199, 0.3974, 0.4021

Sweetspot

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



16.8205, 0.2265, 0.3047



37.8618, 0.2802, 0.3226



18.1781, 0.2968, 0.5385



8.6534, 0.2770, 0.3219



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.8205, 0.2265, 0.3047



28.0704, 0.2185, 0.2987



7.3152, 0.1969, 0.1858



5.5964, 0.2991, 0.3265



14.6479, 0.2153, 0.2950



0.1097, 0.2203, 0.3131

Inverse Universe

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



7.9729, 0.3397, 0.1870



12.2661, 0.3461, 0.1739



13.7219, 0.4591, 0.4300



5.1197, 0.3153, 0.3098



6.2629, 0.3498, 0.1701



0.0429, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 16.8199, 0.2265, 0.3047 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 16.8199, 0.2265, 0.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

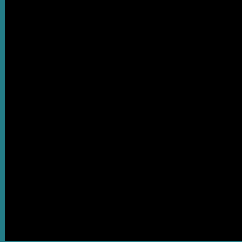
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.8199, 0.2265, 0.3047

Background



This preview shows how black text looks on a background with the Yxy color 16.8199, 0.2265, 0.3047.

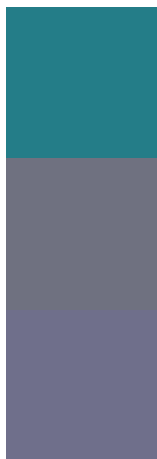


This preview shows how white text looks on a background with the Yxy color 16.8199, 0.2265, 0.3047.

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

16.8199, 0.2265, 0.3047

Protanopia

16.7483, 0.2926, 0.2996

Deuteranopia

16.6125, 0.2805, 0.2757



Tritanopia

16.7738, 0.2268, 0.3068

Trichromacy



Original Color

16.8199, 0.2265, 0.3047

Protanomaly

16.2461, 0.2603, 0.2996

Deuteranomaly

16.2106, 0.2537, 0.2839

Tritanomaly

16.7738, 0.2268, 0.3068

Monochromacy



Original Color

16.8199, 0.2265, 0.3047

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.7073, 0.2684, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8199, 0.2265, 0.3047 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(36, 125, 136)` looks like.

```
.text, #text, p{  
    color:rgb(36, 125, 136)  
}
```

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(36, 125, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 125, 136) }
```

Border

The CSS property to change the border of an element to Yxy 16.8199, 0.2265, 0.3047 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(36, 125, 136) }
```

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

```
.border{ border-color:rgb(36, 125, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 125, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 125, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 125, 136);  
box-shadow:4px 4px 4px 4px rgb(36, 125,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8199, 0.2265, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 125, 136) }
```

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

```
.background{ background-color: rgb(36, 125,  
136) }
```

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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