

Converting Colors

$Yxy(16.6181, 0.2068, 0.2433)$

Have a look what the booklet for
Yxy(16.6181, 0.2068, 0.2433)
contains.

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Color

Yxy(16.6784, 0.2070, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	2179A4
RGB	33, 121, 164
RGB Percent	13%, 47%, 64%
CMY	0.8703, 0.5255, 0.3569
CMYK	0.80, 0.26, 0.00, 0.36
HSL	200°, 66%, 39%
HSV	200°, 80%, 64%
XYZ	14.1667, 16.6784, 37.5931
YIQ	99.5900, -66.2510, -5.2830

Conversions

Conversions Part 2

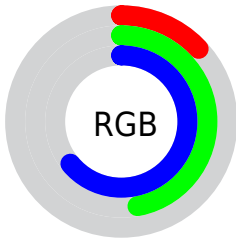
Format	Color
RYB	33, 86, 164
Decimal	2193828
CIELab	47.85, -10.12, -30.22
CIELCh	48, 31.867, 251.479
Yxy	16.6784, 0.2070, 0.2437
Android (android.graphics.Color)	4280383908 (0xFF2179A4)
YUV	99.5900, 31.7541, -58.3994
Hunter-Lab	40.8392, -9.5487, -25.9899

Details

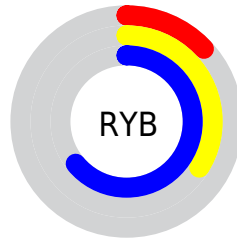
The Yxy color **16.6784, 0.2070, 0.2437** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.1818, 0.5285, 0.3833**, and the grayscale version is **12.5703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6543, 0.2298, 0.2632**, and **5.9349, 0.1934, 0.2163** is the 20% darker color. If you saturate the color by 10%, you get **15.1978, 0.1998, 0.2314**, and if you desaturate by 10%, it is **18.3652, 0.2161, 0.2561**.

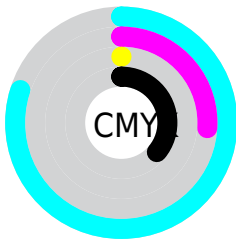
Distribution



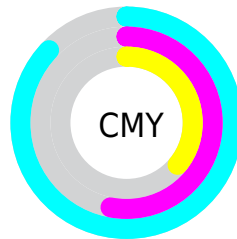
- Red (13%)
- Green (47%)
- Blue (64%)



- Red (13%)
- Yellow (34%)
- Blue (64%)



- Cyan (80%)
- Magenta (26%)
- Yellow (0%)
- Black (36%)



- Cyan (87%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6784, 0.2070, 0.2437 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 16.6784, 0.2070, 0.2437 by changing the saturation by 10% instead.

■ 16.6784, 0.2070,
0.2437

■ 16.6784, 0.2070,
0.2437

■ 233.3122, 0.2660,
0.2930

■ 10.0055, 0.1904,
0.2290

■ 37.7720, 0.2299,
0.2634

■ 5.4026, 0.1682,
0.2087

■ 52.9615, 0.2380,
0.2702

■ 2.4854, 0.1375,
0.1794

■ 71.7585, 0.2448,
0.2758

■ 0.8693, 0.0906,
0.1360

■ 94.5476, 0.2504,
0.2804

■ 0.0000, 0.0000,
0.0000

■ 121.7132, 0.2552,
0.2843

■ 153.6395, 0.2593,

0.2877

190.7111, 0.2628,
0.2905

■ 16.6784, 0.2070,
0.2437

■ 16.6784, 0.2070,
0.2437

■ 15.1978, 0.1998,
0.2314

■ 18.3652, 0.2161,
0.2561

■ 13.8825, 0.1943,
0.2192

■ 20.2744, 0.2271,
0.2683

■ 13.8611, 0.1942,
0.2190

■ 22.4223, 0.2396,
0.2802

■ 24.8225, 0.2532,
0.2915

■ 27.4877, 0.2677,
0.3021

■ 30.4294, 0.2827,
0.3119

■ 33.6582, 0.2979,
0.3210

■ 37.1844, 0.3130,
0.3291

■ 41.0174, 0.3278,
0.3365

Harmonies

Analogous

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



16.6784, 0.2030, 0.2804



16.6784, 0.2070, 0.2437



16.6784, 0.2355, 0.2314

Triad

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



16.6784, 0.2070, 0.2437



16.6784, 0.4071, 0.3102



16.6784, 0.3294, 0.4403

Complementary

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



16.6784, 0.2070, 0.2437



13.1818, 0.5285, 0.3833

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.



16.6784, 0.3876, 0.4374



16.6784, 0.2070, 0.2437



16.6784, 0.4365, 0.3578

Square

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



16.6784, 0.2070, 0.2437



16.6784, 0.3495, 0.2690



16.6784, 0.4280, 0.4040



16.6784, 0.2697, 0.4023

Rectangle

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



16.6784, 0.2070, 0.2437



16.6784, 0.2671, 0.2356



16.6784, 0.4280, 0.4040



16.6784, 0.3498, 0.4438

Sweetspot

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



16.6790, 0.2070, 0.2437



52.7058, 0.2757, 0.3075



27.3763, 0.2828, 0.5108



11.1326, 0.2707, 0.3041



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.6790, 0.2070, 0.2437



25.6831, 0.1955, 0.2217



5.9388, 0.1741, 0.1175



7.6173, 0.2987, 0.3214



10.7179, 0.1945, 0.2201



0.3058, 0.2067, 0.2642

Inverse Universe

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



10.3646, 0.3961, 0.2126



16.6082, 0.4211, 0.2112



26.7573, 0.4378, 0.4693



7.1624, 0.3185, 0.3140



6.9261, 0.4231, 0.2104



0.1537, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 16.6784, 0.2070, 0.2437 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 16.6784, 0.2070, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

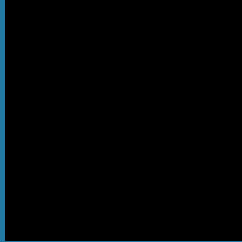
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6784, 0.2070, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 16.6784, 0.2070, 0.2437.

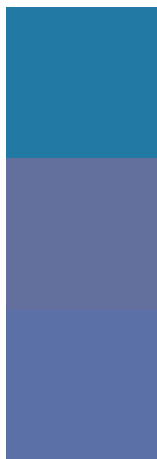


This preview shows how white text looks on a background with the Yxy color 16.6784, 0.2070, 0.2437.

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

16.6784, 0.2070, 0.2437

Protanopia

16.4218, 0.2513, 0.2451

Deuteranopia

16.5152, 0.2353, 0.2301

Trichromacy



Original Color

16.6784, 0.2070, 0.2437

Protanomaly

16.2605, 0.2293, 0.2438

Deuteranomaly

16.2433, 0.2211, 0.2336

Monochromacy



Original Color

16.6784, 0.2070, 0.2437

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.6917, 0.2571, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6784, 0.2070, 0.2437 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(33, 121, 164)` looks like.

```
.text, #text, p{  
    color:rgb(33, 121, 164)  
}
```

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(33, 121, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 121, 164) }
```

Border

The CSS property to change the border of an element to Yxy 16.6784, 0.2070, 0.2437 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(33, 121, 164) }
```

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

```
.border{ border-color:rgb(33, 121, 164) }
```

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

Here you see how a box with a 4 pixel rgb(33, 121, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 121, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 121, 164);  
box-shadow:4px 4px 4px 4px rgb(33, 121,  
164) }
```

Background

The CSS property to change the background color of an element to Yxy 16.6784, 0.2070, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 121, 164) }
```

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

```
.background{ background-color: rgb(33, 121,  
164) }
```

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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