

Converting Colors

$Yxy(16.4869, 0.2120, 0.2587)$

Have a look what the booklet for
Yxy(16.4869, 0.2120, 0.2587)
contains.

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Color

Yxy(16.4151, 0.2115, 0.2572)

Conversions

Conversions Part 1

Format	Color
Hex	22799C
RGB	34, 121, 156
RGB Percent	13%, 47%, 61%
CMY	0.8665, 0.5255, 0.3882
CMYK	0.78, 0.22, 0.00, 0.39
HSL	197°, 64%, 37%
HSV	197°, 78%, 61%
XYZ	13.4984, 16.4151, 33.9088
YIQ	98.9770, -63.0870, -7.5590

Conversions

Conversions Part 2

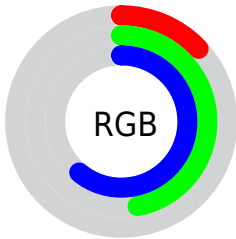
Format	Color
R_{YB}	34, 85, 156
Decimal	2259356
CIE _{Lab}	47.51, -12.90, -26.06
CIE _{LCh}	48, 29.077, 243.657
Yxy	16.4151, 0.2115, 0.2572
Android (android.graphics.Color)	4280449436 (0xFF22799C)
YUV	98.9770, 28.1123, -56.9848
Hunter-Lab	40.5156, -11.4320, -21.2609

Details

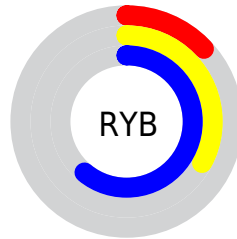
The Yxy color **16.4151, 0.2115, 0.2572** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.4446, 0.5297, 0.3759**, and the grayscale version is **12.4141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1870, 0.2333, 0.2733**, and **5.6547, 0.1969, 0.2287** is the 20% darker color. If you saturate the color by 10%, you get **15.1448, 0.2046, 0.2466**, and if you desaturate by 10%, it is **17.8574, 0.2204, 0.2678**.

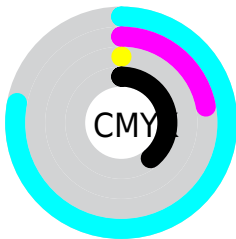
Distribution



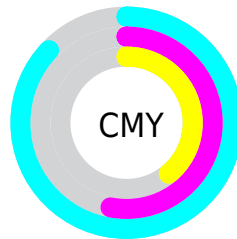
- Red (13%)
- Green (47%)
- Blue (61%)



- Red (13%)
- Yellow (33%)
- Blue (61%)



- Cyan (78%)
- Magenta (22%)
- Yellow (0%)
- Black (39%)



- Cyan (87%)
- Magenta (53%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4151, 0.2115, 0.2572 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 16.4151, 0.2115, 0.2572 by changing the saturation by 10% instead.

16.4151, 0.2115,
0.2572

16.4151, 0.2115,
0.2572

231.7788, 0.2683,
0.2995

9.8184, 0.1952,
0.2441

37.3174, 0.2337,
0.2743

5.2787, 0.1732,
0.2257

52.3917, 0.2416,
0.2802

2.4117, 0.1423,
0.1983

71.0606, 0.2480,
0.2850

0.8319, 0.0893,
0.1561

93.7086, 0.2534,
0.2889

0.0000, 0.0000,
0.0000

120.7200, 0.2580,
0.2922

152.4793, 0.2619,

0.2950

189.3707, 0.2653,
0.2974

■ 16.4151, 0.2115,
0.2572

■ 16.4151, 0.2115,
0.2572

■ 15.1448, 0.2046,
0.2466

■ 17.8574, 0.2204,
0.2678

■ 14.0171, 0.1993,
0.2360

■ 19.4851, 0.2310,
0.2783

■ 13.8197, 0.1984,
0.2341

■ 21.3118, 0.2431,
0.2884

■ 23.3492, 0.2564,
0.2981

■ 25.6079, 0.2707,
0.3071

■ 28.0975, 0.2854,
0.3155

■ 30.8273, 0.3004,
0.3232

■ 33.8058, 0.3154,
0.3302

■ 37.0409, 0.3302,
0.3365

Harmonies

Analogous

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



16.4151, 0.2141, 0.2973



16.4151, 0.2115, 0.2572



16.4151, 0.2324, 0.2396

Triad

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



16.4151, 0.2115, 0.2572



16.4151, 0.3873, 0.3012



16.4151, 0.3434, 0.4335

Complementary

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



16.4151, 0.2115, 0.2572



11.4446, 0.5297, 0.3759

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.



16.4151, 0.3940, 0.4231



16.4151, 0.2115, 0.2572



16.4151, 0.4225, 0.3447

Square

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



16.4151, 0.2115, 0.2572



16.4151, 0.3312, 0.2653



16.4151, 0.4241, 0.3886



16.4151, 0.2872, 0.4079

Rectangle

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



16.4151, 0.2115, 0.2572



16.4151, 0.2584, 0.2398



16.4151, 0.4241, 0.3886



16.4151, 0.3617, 0.4337

Sweetspot

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



16.4157, 0.2115, 0.2572



48.5949, 0.2776, 0.3112



24.5421, 0.2851, 0.5141



10.3636, 0.2726, 0.3083



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.4157, 0.2115, 0.2572



25.9248, 0.2005, 0.2385



6.0216, 0.1785, 0.1295



7.1875, 0.2988, 0.3224



11.4445, 0.1986, 0.2349



0.2726, 0.2103, 0.2769

Inverse Universe

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



9.5946, 0.3827, 0.2071



15.2751, 0.4034, 0.2023



23.0359, 0.4406, 0.4629



6.7221, 0.3179, 0.3132



6.7775, 0.4076, 0.2019



0.1280, 0.3663, 0.1792

Previews

White Background



This preview shows how the Yxy color 16.4151, 0.2115, 0.2572 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 16.4151, 0.2115, 0.2572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

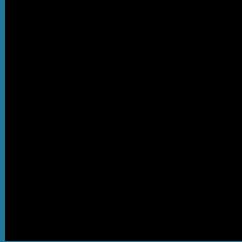
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4151, 0.2115, 0.2572

Background



This preview shows how black text looks on a background with the Yxy color 16.4151, 0.2115, 0.2572.

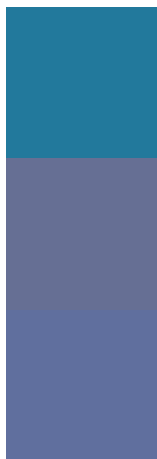


This preview shows how white text looks on a background with the Yxy color 16.4151, 0.2115, 0.2572.

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

16.4151, 0.2115, 0.2572

Protanopia

16.3318, 0.2615, 0.2587

Deuteranopia

16.3243, 0.2467, 0.2414



Tritanopia

16.4165, 0.2184, 0.3063

Trichromacy



Original Color

16.4151, 0.2115, 0.2572

Protanomaly

16.0736, 0.2366, 0.2574

Deuteranomaly

16.1123, 0.2292, 0.2468

Tritanomaly

16.4766, 0.2149, 0.2875

Monochromacy



Original Color

16.4151, 0.2115, 0.2572

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.3673, 0.2586, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4151, 0.2115, 0.2572 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(34, 121, 156)` looks like.

```
.text, #text, p{  
    color:rgb(34, 121, 156)  
}
```

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(34, 121, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 121, 156) }
```

Border

The CSS property to change the border of an element to Yxy 16.4151, 0.2115, 0.2572 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(34, 121, 156) }
```

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

```
.border{ border-color:rgb(34, 121, 156) }
```

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

Here you see how a box with a 4 pixel rgb(34, 121, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 121, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 121, 156);  
box-shadow:4px 4px 4px 4px rgb(34, 121,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4151, 0.2115, 0.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 121, 156) }
```

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

```
.background{ background-color: rgb(34, 121,  
156) }
```

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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