

Converting Colors

$Yxy(15.1416, 0.2043, 0.2422)$

Have a look what the booklet for
Yxy(15.1416, 0.2043, 0.2422)
contains.

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Color

Yxy(15.1416, 0.2043, 0.2422)

Conversions

Conversions Part 1

Format	Color
Hex	17749E
RGB	23, 116, 158
RGB Percent	9%, 45%, 62%
CMY	0.9095, 0.5451, 0.3803
CMYK	0.85, 0.27, 0.00, 0.38
HSL	199°, 75%, 36%
HSV	199°, 85%, 62%
XYZ	12.7722, 15.1416, 34.6031
YIQ	92.9810, -68.9100, -6.6540

Conversions

Conversions Part 2

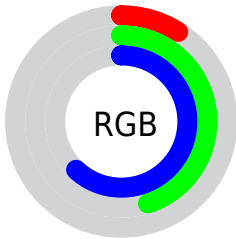
Format	Color
R_{YB}	23, 78, 158
Decimal	1537182
CIE _{Lab}	45.83, -10.40, -29.88
CIE _{LCh}	46, 31.641, 250.818
Yxy	15.1416, 0.2043, 0.2422
Android (android.graphics.Color)	4279727262 (0xFF17749E)
YUV	92.9810, 32.0544, -61.3733
Hunter-Lab	38.9122, -9.5071, -25.4858

Details

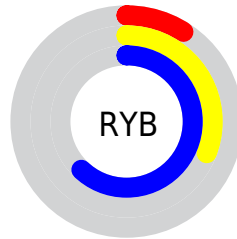
The Yxy color **15.1416, 0.2043, 0.2422** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.1235, 0.5497, 0.3785**, and the grayscale version is **10.8828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1365, 0.2282, 0.2626**, and **5.1749, 0.1927, 0.2136** is the 20% darker color. If you saturate the color by 10%, you get **13.9016, 0.1984, 0.2307**, and if you desaturate by 10%, it is **16.5525, 0.2121, 0.2539**.

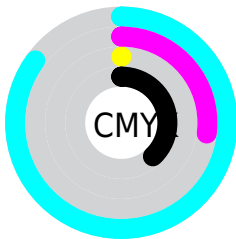
Distribution



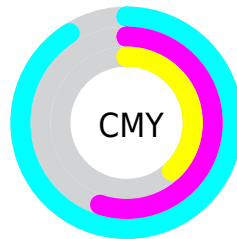
- Red (9%)
- Green (45%)
- Blue (62%)



- Red (9%)
- Yellow (31%)
- Blue (62%)



- Cyan (85%)
- Magenta (27%)
- Yellow (0%)
- Black (38%)



- Cyan (91%)
- Magenta (55%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.1416, 0.2043, 0.2422 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 15.1416, 0.2043, 0.2422 by changing the saturation by 10% instead.

15.1416, 0.2043,
0.2422

15.1416, 0.2043,
0.2422

224.2217, 0.2655,
0.2931

8.9188, 0.1868,
0.2267

35.1014, 0.2283,
0.2627

4.6883, 0.1631,
0.2051

49.6072, 0.2367,
0.2698

2.0655, 0.1302,
0.1735

67.6428, 0.2437,
0.2755

0.6451, 0.0692,
0.1242

89.5926, 0.2495,
0.2803

0.0000, 0.0000,
0.0000

115.8410, 0.2544,
0.2843

146.7724, 0.2587,

0.2876

182.7712, 0.2623,
0.2906

■ 15.1416, 0.2043,
0.2422

■ 15.1416, 0.2043,
0.2422

■ 13.9016, 0.1984,
0.2307

■ 16.5525, 0.2121,
0.2539

■ 13.3664, 0.1959,
0.2254

■ 18.1522, 0.2219,
0.2655

■ 19.9564, 0.2333,
0.2768

■ 21.9783, 0.2461,
0.2878

■ 24.2297, 0.2599,
0.2981

■ 26.7216, 0.2745,
0.3078

■ 29.4639, 0.2895,
0.3168

■ 32.4661, 0.3046,
0.3249

■ 35.7370, 0.3196,
0.3323

Harmonies

Analogous

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



15.1416, 0.2007, 0.2801



15.1416, 0.2043, 0.2422



15.1416, 0.2328, 0.2293

Triad

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



15.1416, 0.2043, 0.2422



15.1416, 0.4084, 0.3086



15.1416, 0.3310, 0.4438

Complementary

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



15.1416, 0.2043, 0.2422



11.1235, 0.5497, 0.3785

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.



15.1416, 0.3904, 0.4395



15.1416, 0.2043, 0.2422



15.1416, 0.4394, 0.3571

Square

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



15.1416, 0.2043, 0.2422



15.1416, 0.3489, 0.2669



15.1416, 0.4313, 0.4045



15.1416, 0.2698, 0.4056

Rectangle

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



15.1416, 0.2043, 0.2422



15.1416, 0.2647, 0.2333



15.1416, 0.4313, 0.4045



15.1416, 0.3519, 0.4469

Sweetspot

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



15.1421, 0.2043, 0.2422



47.9930, 0.2729, 0.3068



25.0066, 0.2847, 0.5275



10.4809, 0.2681, 0.3037



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



15.1421, 0.2043, 0.2422



23.8993, 0.1953, 0.2232



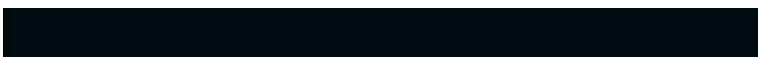
4.9385, 0.1685, 0.1085



7.1607, 0.2988, 0.3219



10.7755, 0.1962, 0.2263



0.2642, 0.2090, 0.2722

Inverse Universe

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



9.1470, 0.3985, 0.2075



15.1608, 0.4198, 0.2086



23.5721, 0.4464, 0.4702



6.7194, 0.3182, 0.3137



6.7100, 0.4165, 0.2068



0.1272, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 15.1416, 0.2043, 0.2422 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 15.1416, 0.2043, 0.2422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

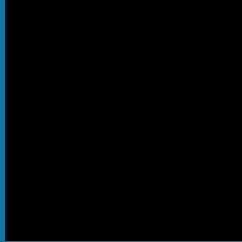
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1416, 0.2043, 0.2422

Background



This preview shows how black text looks on a background with the Yxy color 15.1416, 0.2043, 0.2422.

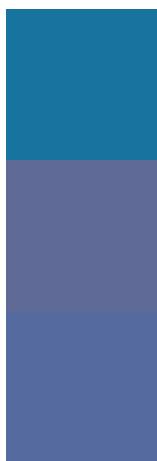


This preview shows how white text looks on a background with the Yxy color 15.1416, 0.2043, 0.2422.

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

15.1416, 0.2043, 0.2422

Protanopia

14.9430, 0.2511, 0.2440

Deuteranopia

14.9848, 0.2337, 0.2282



Tritanopia

15.0179, 0.2188, 0.3077

Trichromacy



Original Color

15.1416, 0.2043, 0.2422

Protanomaly

14.7170, 0.2268, 0.2423

Deuteranomaly

14.6792, 0.2180, 0.2315

Tritanomaly

15.1387, 0.2129, 0.2819

Monochromacy



Original Color

15.1416, 0.2043, 0.2422

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.8207, 0.2522, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1416, 0.2043, 0.2422 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(23, 116, 158)` looks like.

```
.text, #text, p{  
    color:rgb(23, 116, 158)  
}
```

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(23, 116, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 116, 158) }
```

Border

The CSS property to change the border of an element to Yxy 15.1416, 0.2043, 0.2422 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(23, 116, 158) }
```

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

```
.border{ border-color:rgb(23, 116, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 116, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 116, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 116, 158);  
box-shadow:4px 4px 4px 4px rgb(23, 116,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1416, 0.2043, 0.2422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 116, 158) }
```

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

```
.background{ background-color: rgb(23, 116,  
158) }
```

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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