Converting Colors

Yxy(10.0183, 0.2119, 0.2626)

Have a look what the booklet for Yxy(10.0183, 0.2119, 0.2626) contains.

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Color

Yxy(9.9415, 0.2119, 0.2625)

Conversions

Conversions Part 1

Format	Color
Hex	16607A
RGB	22, 96, 122
RGB Percent	9%, 38%, 48%
CMY	0.9140, 0.6235, 0.5216
CMYK	0.82, 0.21, 0.00, 0.52
HSL	196°, 70%, 28%
HSV	196°, 82%, 48%
XYZ	8.0252, 9.9415, 19.9057
YIQ	76.8380, -52.4500, -7.6020

Conversions

Conversions Part 2

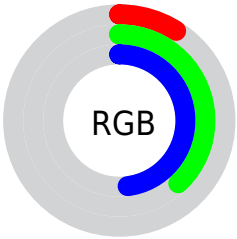
Format	Color
RYB	22, 65, 122
Decimal	1466490
CIELab	37.74, -12.27, -20.86
CIELCh	38, 24.203, 239.528
Yxy	9.9415, 0.2119, 0.2625
Android (android.graphics.Color)	4279656570 (0xFF16607A)
YUV	76.8380, 22.2649, -48.0929
Hunter-Lab	31.5301, -9.7453, -15.3601

Details

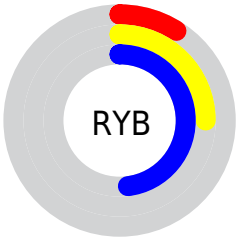
The Yxy color 9.9415, 0.2119, 0.2625 is a dark color, and the websafe version is hex 006699. A complement of this color would be 6.3028, 0.5421, 0.3705, and the grayscale version is 7.3523, 0.3127, 0.3290.

A 20% lighter version of the original color is 25.8474, 0.2371, 0.2807, and 2.7622, 0.1983, 0.2337 is the 20% darker color. If you saturate the color by 10%, you get 9.2682, 0.2058, 0.2532, and if you desaturate by 10%, it is 10.7044, 0.2198, 0.2718.

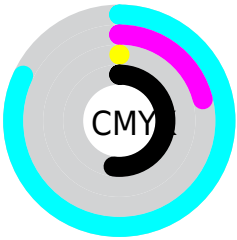
Distribution



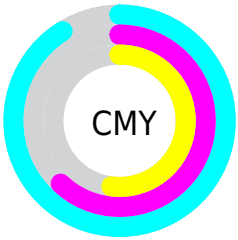
- Red (9%)
- Green (38%)
- Blue (48%)



- Red (9%)
- Yellow (25%)
- Blue (48%)



- Cyan (82%)
- Magenta (21%)
- Yellow (0%)
- Black (52%)



- Cyan (91%)
- Magenta (62%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 9.9415, 0.2119, 0.2625 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 9.9415, 0.2119, 0.2625 by changing the saturation by 10% instead.

9.9415, 0.2119, 0.2625

190.2540, 0.2727, 0.3046

25.6854, 0.2371, 0.2807

37.6168, 0.2456, 0.2866

52.7670, 0.2523, 0.2912

71.5204, 0.2579, 0.2950

94.2614, 0.2625, 0.2980

121.3744, 0.2664,

9.9415, 0.2119, 0.2625

5.3602, 0.1921, 0.2474

2.4601, 0.1636, 0.2242

0.8566, 0.1123, 0.1870

0.0000, 0.0000, 0.0000

0.3006

153.2438, 0.2698, 0.3028

9.9415, 0.2119, 0.2625

9.2682, 0.2058, 0.2532

8.7693, 0.2016, 0.2457

9.9415, 0.2119, 0.2625

10.7044, 0.2198, 0.2718

11.5642, 0.2294, 0.2810

12.5286, 0.2406, 0.2900

13.6040, 0.2530, 0.2986

14.7963, 0.2664, 0.3067

16.1108, 0.2806, 0.3143

17.5525, 0.2951, 0.3214

19.1261, 0.3098, 0.3278

20.8361, 0.3244, 0.3336

Harmonies

Analogous

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

9.9415, 0.2177, 0.3049

9.9415, 0.2119, 0.2625

9.9415, 0.2294, 0.2420

Triad

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

9.9415, 0.2119, 0.2625

9.9415, 0.3793, 0.2962

9.9415, 0.3506, 0.4323

Complementary

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

9.9415, 0.2119, 0.2625

6.3028, 0.5421, 0.3705

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.

9.9415, 0.3984, 0.4181

9.9415, 0.2119, 0.2625

9.9415, 0.4177, 0.3385

Square

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

9.9415, 0.2119, 0.2625

9.9415, 0.3229, 0.2623

9.9415, 0.4242, 0.3822

9.9415, 0.2951, 0.4120

Rectangle

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

9.9415, 0.2119, 0.2625

9.9415, 0.2532, 0.2403

9.9415, 0.4242, 0.3822

9.9415, 0.3681, 0.4309

Sweetspot

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

9.9418, 0.2119, 0.2625

27.4918, 0.2754, 0.3117

14.2921, 0.2876, 0.5269

6.1377, 0.2715, 0.3095

62.0916, 0.3127, 0.3290

7.8288, 0.3127, 0.3290

Same Dimension

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

9.9418, 0.2119, 0.2625

15.4159, 0.2019, 0.2455

3.6043, 0.1778, 0.1320

4.3446, 0.2994, 0.3233

9.2200, 0.2015, 0.2455

42.5471, 0.2002, 0.2407

Inverse Universe

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

5.5533, 0.3781, 0.2015

8.6525, 0.3966, 0.1970

12.7405, 0.4485, 0.4592

4.0606, 0.3173, 0.3133

5.1376, 0.3967, 0.1959

24.3623, 0.4016, 0.1986

Previews

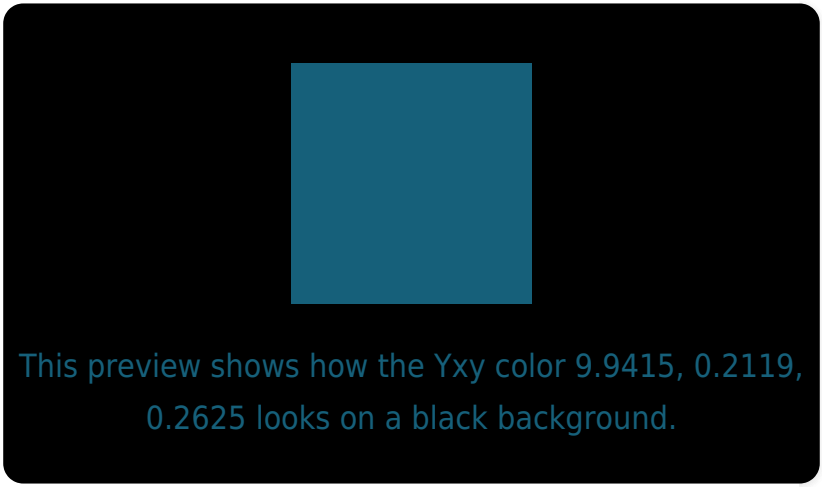
White Background

This preview shows how the Yxy color 9.9415, 0.2119, 0.2625 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
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 9.9415, 0.2119, 0.2625

Background

This preview shows how black text looks on a background with the Yxy color 9.9415, 0.2119, 0.2625.

This preview shows how white text looks on a background with the Yxy color 9.9415, 0.2119, 0.2625.

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
9.9415, 0.2119, 0.2625

Protanopia
9.8267, 0.2642, 0.2608

Deuteranopia
9.9712, 0.2493, 0.2460

Tritanopia
9.7760, 0.2185, 0.3065

Trichromacy

Original Color
9.9415, 0.2119, 0.2625

Protanomaly
9.5810, 0.2382, 0.2597

Deuteranomaly
9.7530, 0.2303, 0.2510

Tritanomaly
9.7709, 0.2153, 0.2882

Monochromacy

Original Color
9.9415, 0.2119, 0.2625

Achromatopsia
7.4214, 0.3127, 0.3290

Achromatomaly
8.0008, 0.2591, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.9415, 0.2119, 0.2625 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(22, 96, 122) looks like.

```
.text, #text, p{
    color:rgb(22, 96, 122)
}
```

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(22, 96, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 96, 122) }
```

Border

The CSS property to change the border of an element to Yxy 9.9415, 0.2119, 0.2625 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(22, 96, 122) }
```

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

```
.border{ border-color:rgb(22, 96, 122) }
```

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

Here you see how a box with a 4 pixel rgb(22, 96, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(22, 96, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(22, 96, 122); box-shadow:4px 4px 4px 4px rgb(22, 96, 122) }
```

Background

The CSS property to change the background color of an element to Yxy 9.9415, 0.2119, 0.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(22, 96, 122) }
```

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

```
.background{ background-color:rgb(22, 96, 122) }
```

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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