Converting Colors

Yxy(16.6499, 0.2323, 0.3108)

Have a look what the booklet for Yxy(16.6499, 0.2323, 0.3108) contains.

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Color

Yxy(16.6167, 0.2324, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	2C7C84
RGB	44, 124, 132
RGB Percent	17%, 49%, 52%
CMY	0.8272, 0.5137, 0.4823
CMYK	0.67, 0.06, 0.00, 0.48
HSL	185°, 50%, 35%
HSV	185°, 67%, 52%
XYZ	12.4131, 16.6167, 24.3829
YIQ	100.9920, -50.2480, -14.4720

Conversions

Conversions Part 2

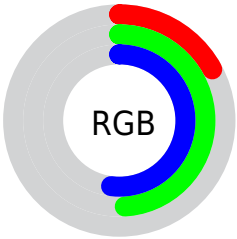
Format	Color
RYB	44, 86, 132
Decimal	2915460
CIELab	47.77, -21.21, -11.50
CIELCh	48, 24.123, 208.466
Yxy	16.6167, 0.2324, 0.3111
Android (android.graphics.Color)	4281105540 (0xFF2C7C84)
YUV	100.9920, 15.2869, -49.9820
Hunter-Lab	40.7636, -16.9804, -6.9301

Details

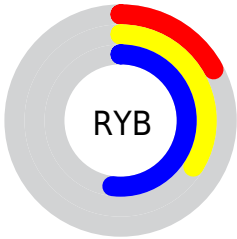
The Yxy color 16.6167, 0.2324, 0.3111 is a dark color, and the websafe version is hex 006666. A complement of this color would be 7.5501, 0.5090, 0.3430, and the grayscale version is 12.9858, 0.3127, 0.3290.

A 20% lighter version of the original color is 37.7138, 0.2505, 0.3165, and 5.6567, 0.2169, 0.3010 is the 20% darker color. If you saturate the color by 10%, you get 16.0703, 0.2259, 0.3081, and if you desaturate by 10%, it is 17.2611, 0.2407, 0.3141.

Distribution

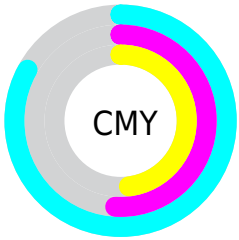


- Red (17%)
- Green (49%)
- Blue (52%)



- Red (17%)
- Yellow (34%)
- Blue (52%)

- Cyan (67%)
- Magenta (6%)
- Yellow (0%)
- Black (48%)



- Cyan (83%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6167, 0.2324, 0.3111 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 16.6167, 0.2324, 0.3111 by changing the saturation by 10% instead.

16.6167, 0.2324, 0.3111

16.6167, 0.2324, 0.3111

232.9537, 0.2782, 0.3227

9.9616, 0.2187, 0.3068

37.6656, 0.2506, 0.3162

5.3735, 0.1995, 0.3002

52.8281, 0.2570, 0.3178

2.4680, 0.1712, 0.2888

71.5952, 0.2621, 0.3191

0.8606, 0.0960, 0.2750

94.3514, 0.2664, 0.3201

0.0000, 0.0000, 0.0000

121.4809, 0.2701, 0.3209

153.3682, 0.2732,

0.3216

190.3977, 0.2759, 0.3222

16.6167, 0.2324, 0.3111

16.0703, 0.2259, 0.3081

15.6108, 0.2212, 0.3050

15.2222, 0.2180, 0.3021

15.0955, 0.2170, 0.3010

16.6167, 0.2324, 0.3111

17.2611, 0.2407, 0.3141

18.0095, 0.2506, 0.3171

18.8699, 0.2621, 0.3199

19.8485, 0.2748, 0.3226

20.9515, 0.2885, 0.3252

22.1844, 0.3029, 0.3275

23.5525, 0.3178, 0.3297

25.0606, 0.3329, 0.3317

26.7134, 0.3480, 0.3335

Harmonies

Analogous

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

16.6167, 0.2585, 0.3582

16.6167, 0.2324, 0.3111

16.6167, 0.2264, 0.2742

Triad

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

16.6167, 0.2324, 0.3111

16.6167, 0.3200, 0.2711

16.6167, 0.3867, 0.4040

Complementary

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

16.6167, 0.2324, 0.3111

7.5501, 0.5090, 0.3430

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.

16.6167, 0.4069, 0.3742

16.6167, 0.2324, 0.3111

16.6167, 0.3672, 0.3002

Square

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

16.6167, 0.2324, 0.3111

16.6167, 0.2740, 0.2549

16.6167, 0.4000, 0.3367

16.6167, 0.3471, 0.4152

Rectangle

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

16.6167, 0.2324, 0.3111

16.6167, 0.2339, 0.2595

16.6167, 0.4000, 0.3367

16.6167, 0.3961, 0.3955

Sweetspot

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

16.6173, 0.2324, 0.3111

36.1352, 0.2831, 0.3242

17.2822, 0.2984, 0.5210

8.3042, 0.2798, 0.3236

67.3860, 0.3127, 0.3290

9.4630, 0.3127, 0.3290

Same Dimension

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

16.6173, 0.2324, 0.3111

27.8710, 0.2232, 0.3065

8.0440, 0.2077, 0.2056

5.2084, 0.2992, 0.3270

14.6200, 0.2170, 0.3011

0.0559, 0.2211, 0.3159

Inverse Universe

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

8.1669, 0.3337, 0.1939

12.2776, 0.3389, 0.1767

13.3375, 0.4453, 0.4213

4.7557, 0.3150, 0.3095

6.0628, 0.3445, 0.1671

0.0215, 0.3317, 0.1601

Previews

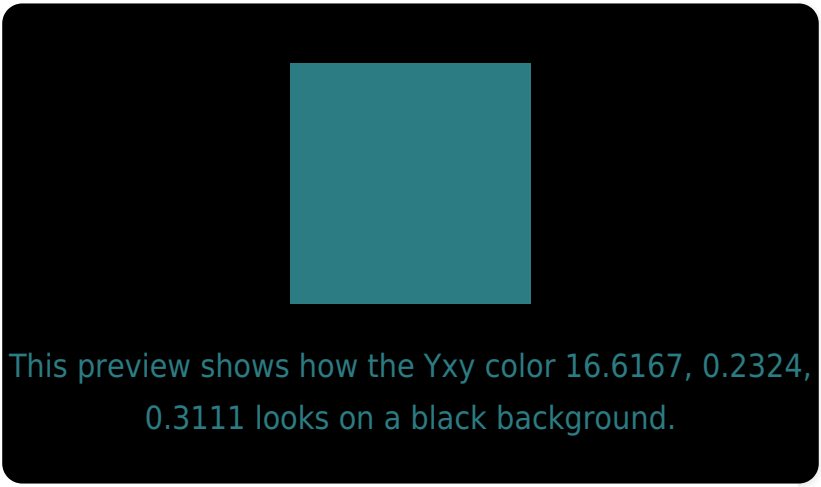
White Background

This preview shows how the Yxy color 16.6167, 0.2324, 0.3111 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

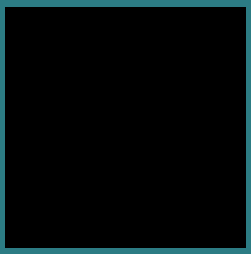


Color Contrast Check

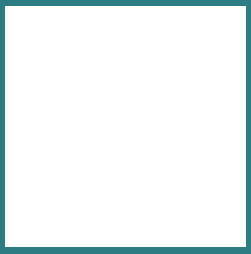
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 16.6167, 0.2324, 0.3111 Background



This preview shows how black text looks on a background with the Yxy color 16.6167, 0.2324, 0.3111.



This preview shows how white text looks on a background with the Yxy color 16.6167, 0.2324, 0.3111.

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
16.6167, 0.2324, 0.3111

Protanopia
16.4231, 0.2971, 0.3052

Deuteranopia
16.4118, 0.2871, 0.2811

Tritanopia
16.6944, 0.2315, 0.3069

Trichromacy

Original Color
16.6167, 0.2324, 0.3111

Protanomaly
16.0493, 0.2668, 0.3057

Deuteranomaly
16.0574, 0.2609, 0.2898

Tritanomaly
16.6666, 0.2322, 0.3090

Monochromacy

Original Color
16.6167, 0.2324, 0.3111

Achromatopsia
13.0136, 0.3127, 0.3290

Achromatomaly
13.8126, 0.2728, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6167, 0.2324, 0.3111 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(44, 124, 132) looks like.

```
.text, #text, p{
    color:rgb(44, 124, 132)
}
```

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(44, 124, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 124, 132) }
```

Border

The CSS property to change the border of an element to Yxy 16.6167, 0.2324, 0.3111 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(44, 124, 132) }
```

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

```
.border{ border-color:rgb(44, 124, 132) }
```

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

Here you see how a box with a 4 pixel rgb(44, 124, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(44, 124, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(44, 124, 132); box-shadow:4px 4px 4px 4px rgb(44, 124, 132) }
```

Background

The CSS property to change the background color of an element to Yxy 16.6167, 0.2324, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(44, 124, 132) }
```

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

```
.background{ background-color:rgb(44, 124,
132) }
```

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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