

Converting Colors

$Y_{xy}(16.2816, 0.2458, 0.2973)$

Have a look what the booklet for
Yxy(16.2816, 0.2458, 0.2973)
contains.

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Color

Yxy(16.2170, 0.2458, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	467786
RGB	70, 119, 134
RGB Percent	27%, 47%, 53%
CMY	0.7255, 0.5333, 0.4745
CMYK	0.48, 0.11, 0.00, 0.47
HSL	194°, 31%, 40%
HSV	194°, 48%, 53%
XYZ	13.4259, 16.2170, 24.9782
YIQ	106.0590, -34.0190, -5.7230

Conversions

Conversions Part 2

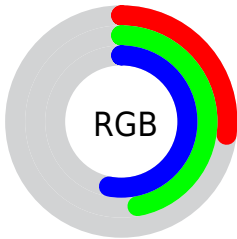
Format	Color
RYB	70, 98, 134
Decimal	4618118
CIELab	47.26, -12.27, -13.37
CIELCh	47, 18.142, 227.462
Yxy	16.2170, 0.2458, 0.2969
Android (android.graphics.Color)	4282808198 (0xFF467786)
YUV	106.0590, 13.7749, -31.6237
Hunter-Lab	40.2703, -10.9624, -8.5862

Details

The Yxy color **16.2170, 0.2458, 0.2969** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0087, 0.4227, 0.3578**, and the grayscale version is **14.3991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8513, 0.2611, 0.3049**, and **5.2399, 0.2185, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **15.0382, 0.2343, 0.2889**, and if you desaturate by 10%, it is **17.5329, 0.2585, 0.3045**.

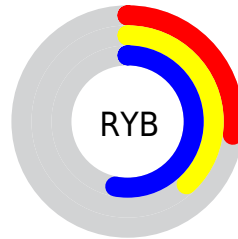
Distribution



Red (27%)

Green (47%)

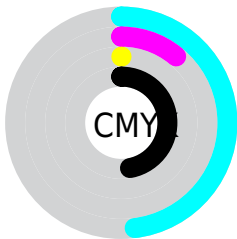
Blue (53%)



Red (27%)

Yellow (38%)

Blue (53%)

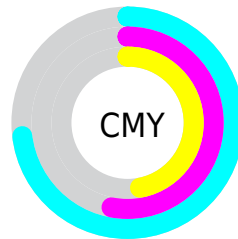


Cyan (48%)

Magenta (11%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (53%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2170, 0.2458, 0.2969 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 16.2170, 0.2458, 0.2969 by changing the saturation by 10% instead.

■ 16.2170, 0.2458,
0.2969

■ 16.2170, 0.2458,
0.2969

■ 230.6188, 0.2842,
0.3163

■ 9.6778, 0.2341,
0.2904

■ 36.9745, 0.2612,
0.3050

■ 5.1859, 0.2177,
0.2809

■ 51.9617, 0.2665,
0.3077

■ 2.3567, 0.1929,
0.2654

■ 70.5336, 0.2709,
0.3099

■ 0.8035, 0.1387,
0.2400

■ 93.0747, 0.2744,
0.3117

■ 0.0000, 0.0000,
0.0000

■ 119.9694, 0.2775,
0.3131

151.6020, 0.2801,

0.3144

188.3570, 0.2823,
0.3154

■ 16.2170, 0.2458,
0.2969

■ 16.2170, 0.2458,
0.2969

■ 15.0382, 0.2343,
0.2889

■ 17.5329, 0.2585,
0.3045

■ 13.9871, 0.2244,
0.2807

■ 18.9912, 0.2722,
0.3117

■ 13.0555, 0.2161,
0.2723

■ 20.5990, 0.2865,
0.3184

■ 12.2335, 0.2097,
0.2639

■ 22.3622, 0.3012,
0.3246

■ 11.5002, 0.2049,
0.2555

■ 24.2866, 0.3160,
0.3302

■ 11.3411, 0.2038,
0.2536

■ 26.3775, 0.3308,
0.3353

■ 28.6400, 0.3452,
0.3398

■ 31.0789, 0.3592,
0.3438

■ 33.6990, 0.3728,
0.3473

Harmonies

Analogous

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



16.2170, 0.2567, 0.3289



16.2170, 0.2458, 0.2969



16.2170, 0.2514, 0.2763

Triad

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



16.2170, 0.2458, 0.2969



16.2170, 0.3417, 0.2977



16.2170, 0.3518, 0.3932

Complementary

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



16.2170, 0.2458, 0.2969



12.0087, 0.4227, 0.3578

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.



16.2170, 0.3770, 0.3799



16.2170, 0.2458, 0.2969



16.2170, 0.3715, 0.3250

Square

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



16.2170, 0.2458, 0.2969



16.2170, 0.3051, 0.2781



16.2170, 0.3846, 0.3546



16.2170, 0.3170, 0.3878

Rectangle

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



16.2170, 0.2458, 0.2969



16.2170, 0.2638, 0.2705



16.2170, 0.3846, 0.3546



16.2170, 0.3617, 0.3906

Sweetspot

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



16.2176, 0.2458, 0.2969



37.3320, 0.2916, 0.3206



19.0085, 0.2932, 0.4392



8.2835, 0.2888, 0.3195



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.



16.2176, 0.2458, 0.2969



26.3976, 0.2338, 0.2885



9.8511, 0.2327, 0.2238



5.0988, 0.2992, 0.3238



10.6442, 0.2039, 0.2538



0.0480, 0.2147, 0.2929

Inverse Universe

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



10.7812, 0.3422, 0.2403



16.1123, 0.3510, 0.2233



18.2189, 0.3938, 0.4149



4.7447, 0.3170, 0.3125



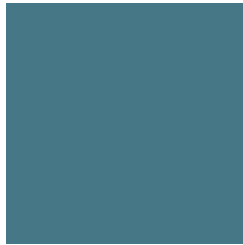
5.6615, 0.3884, 0.1913



0.0207, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 16.2170, 0.2458, 0.2969 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 16.2170, 0.2458, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

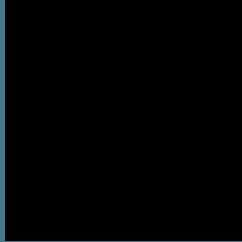
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2170, 0.2458, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 16.2170, 0.2458, 0.2969.

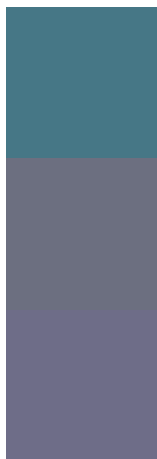


This preview shows how white text looks on a background with the Yxy color 16.2170, 0.2458, 0.2969.

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

16.2170, 0.2458, 0.2969

Protanopia

16.1155, 0.2888, 0.2953

Deuteranopia

16.0298, 0.2823, 0.2769



Tritanopia

16.2831, 0.2495, 0.3094

Trichromacy



Original Color

16.2170, 0.2458, 0.2969

Protanomaly

16.0260, 0.2709, 0.2961

Deuteranomaly

15.9924, 0.2668, 0.2845

Tritanomaly

16.3368, 0.2478, 0.3052

Monochromacy



Original Color

16.2170, 0.2458, 0.2969

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9570, 0.2840, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2170, 0.2458, 0.2969 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(70, 119, 134)` looks like.

```
.text, #text, p{  
    color:rgb(70, 119, 134)  
}
```

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(70, 119, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 119, 134) }
```

Border

The CSS property to change the border of an element to Yxy 16.2170, 0.2458, 0.2969 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(70, 119, 134) }
```

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

```
.border{ border-color:rgb(70, 119, 134) }
```

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

Here you see how a box with a 4 pixel rgb(70, 119, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 119, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 119, 134);  
box-shadow:4px 4px 4px 4px rgb(70, 119,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2170, 0.2458, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 119, 134) }
```

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

```
.background{ background-color: rgb(70, 119,  
134) }
```

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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