

Converting Colors

$Y_{xy}(17.2922, 0.2502, 0.3160)$

Have a look what the booklet for
Yxy(17.2922, 0.2502, 0.3160)
contains.

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Color

Yxy(17.2922, 0.2502, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	457C82
RGB	69, 124, 130
RGB Percent	27%, 49%, 51%
CMY	0.7294, 0.5137, 0.4902
CMYK	0.47, 0.05, 0.00, 0.49
HSL	186°, 31%, 39%
HSV	186°, 47%, 51%
XYZ	13.6915, 17.2922, 23.7385
YIQ	108.2390, -34.7060, -9.7940

Conversions

Conversions Part 2

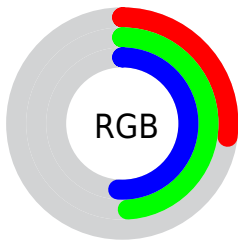
Format	Color
R _Y B	69, 98, 130
Decimal	4553858
CIE Lab	48.63, -16.46, -8.95
CIE LCh	49, 18.732, 208.535
Yxy	17.2922, 0.2502, 0.3160
Android (android.graphics.Color)	4282743938 (0xFF457C82)
YUV	108.2390, 10.7282, -34.4126
Hunter-Lab	41.5839, -14.0007, -4.7374

Details

The Yxy color **17.2922, 0.2502, 0.3160** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2095, 0.4275, 0.3411**, and the grayscale version is **15.0438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9281, 0.2642, 0.3199**, and **5.7044, 0.2242, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **16.5495, 0.2402, 0.3128**, and if you desaturate by 10%, it is **18.1446, 0.2617, 0.3191**.

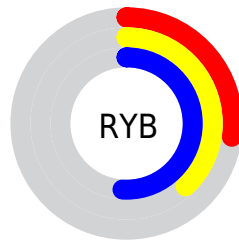
Distribution



Red (27%)

Green (49%)

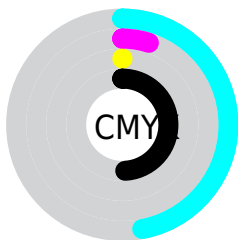
Blue (51%)



Red (27%)

Yellow (38%)

Blue (51%)

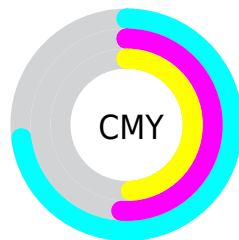


Cyan (47%)

Magenta (5%)

Yellow (0%)

Black (49%)



Cyan (73%)

Magenta (51%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2922, 0.2502, 0.3160 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 17.2922, 0.2502, 0.3160 by changing the saturation by 10% instead.

■ 17.2922, 0.2502,
0.3160

■ 17.2922, 0.2502,
0.3160

■ 236.8507, 0.2859,
0.3243

■ 10.4430, 0.2394,
0.3130

■ 38.8275, 0.2645,
0.3196

■ 5.6937, 0.2242,
0.3085

■ 54.2824, 0.2694,
0.3207

■ 2.6597, 0.2013,
0.3008

■ 73.3747, 0.2734,
0.3216

■ 0.9568, 0.1528,
0.2889

■ 96.4888, 0.2768,
0.3224

■ 0.0000, 0.0000,
0.0000

■ 124.0090, 0.2796,
0.3230

156.3198, 0.2820,

0.3235

193.8056, 0.2841,
0.3239

■ 17.2922, 0.2502,
0.3160

■ 17.2922, 0.2502,
0.3160

■ 16.5495, 0.2402,
0.3128

■ 18.1446, 0.2617,
0.3191

■ 15.9076, 0.2319,
0.3095

■ 19.1109, 0.2744,
0.3220

■ 15.3595, 0.2253,
0.3063

■ 20.1976, 0.2881,
0.3248

■ 14.8962, 0.2205,
0.3030

■ 21.4102, 0.3025,
0.3273

■ 14.5005, 0.2173,
0.2997

■ 22.7535, 0.3173,
0.3297

■ 14.3827, 0.2163,
0.2987

■ 24.2325, 0.3324,
0.3318

■ 25.8515, 0.3474,
0.3338

■ 27.6150, 0.3623,
0.3355

■ 29.5270, 0.3768,
0.3370

Harmonies

Analogous

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



17.2922, 0.2710, 0.3513



17.2922, 0.2502, 0.3160



17.2922, 0.2453, 0.2872

Triad

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



17.2922, 0.2502, 0.3160



17.2922, 0.3188, 0.2837



17.2922, 0.3700, 0.3872

Complementary

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



17.2922, 0.2502, 0.3160



10.2095, 0.4275, 0.3411

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.



17.2922, 0.3849, 0.3652



17.2922, 0.2502, 0.3160



17.2922, 0.3546, 0.3069

Square

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



17.2922, 0.2502, 0.3160



17.2922, 0.2831, 0.2709



17.2922, 0.3794, 0.3360



17.2922, 0.3398, 0.3943

Rectangle

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



17.2922, 0.2502, 0.3160



17.2922, 0.2512, 0.2752



17.2922, 0.3794, 0.3360



17.2922, 0.3770, 0.3812

Sweetspot

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



17.2929, 0.2502, 0.3160



36.0993, 0.2918, 0.3255



17.7287, 0.3017, 0.4580



8.0857, 0.2892, 0.3250



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.2929, 0.2502, 0.3160



29.0988, 0.2399, 0.3127



10.9576, 0.2383, 0.2481



4.8168, 0.2993, 0.3268



13.7939, 0.2163, 0.2988



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.4581, 0.3274, 0.2287



15.7661, 0.3313, 0.2096



15.1959, 0.3998, 0.3973



4.4053, 0.3151, 0.3098



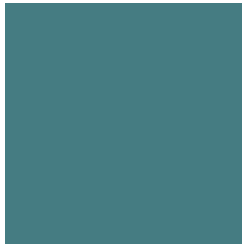
5.7870, 0.3465, 0.1682



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.2922, 0.2502, 0.3160 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 17.2922, 0.2502, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

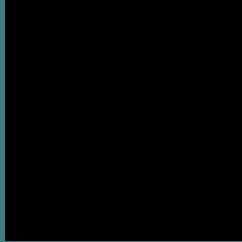
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2922, 0.2502, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 17.2922, 0.2502, 0.3160.



This preview shows how white text looks on a background with the Yxy color 17.2922, 0.2502, 0.3160.

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

17.2922, 0.2502, 0.3160

Protanopia

17.0673, 0.3009, 0.3095

Deuteranopia

17.1333, 0.2956, 0.2894



Tritanopia

17.1615, 0.2482, 0.3077

Trichromacy



Original Color

17.2922, 0.2502, 0.3160

Protanomaly

17.0599, 0.2800, 0.3126

Deuteranomaly

16.8661, 0.2758, 0.2970

Tritanomaly

17.1340, 0.2490, 0.3097

Monochromacy



Original Color

17.2922, 0.2502, 0.3160

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.6753, 0.2855, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2922, 0.2502, 0.3160 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(69, 124, 130)` looks like.

```
.text, #text, p{  
    color:rgb(69, 124, 130)  
}
```

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(69, 124, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 124, 130) }
```

Border

The CSS property to change the border of an element to Yxy 17.2922, 0.2502, 0.3160 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(69, 124, 130) }
```

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

```
.border{ border-color:rgb(69, 124, 130) }
```

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

Here you see how a box with a 4 pixel rgb(69, 124, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 124, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 124, 130);  
box-shadow:4px 4px 4px 4px rgb(69, 124,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2922, 0.2502, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 124, 130) }
```

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

```
.background{ background-color: rgb(69, 124,  
130) }
```

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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