

Converting Colors

$Yxy(16.9198, 0.2465, 0.3336)$

Have a look what the booklet for
Yxy(16.9198, 0.2465, 0.3336)
contains.

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Color

Yxy(16.9095, 0.2461, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	377D7B
RGB	55, 125, 123
RGB Percent	22%, 49%, 48%
CMY	0.7841, 0.5098, 0.5177
CMYK	0.56, 0.00, 0.02, 0.51
HSL	178°, 39%, 35%
HSV	178°, 56%, 49%
XYZ	12.4855, 16.9095, 21.3385
YIQ	103.8420, -41.0780, -15.4620

Conversions

Conversions Part 2

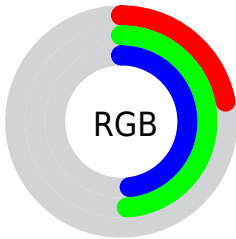
Format	Color
RYB	55, 91, 125
Decimal	3636603
CIELab	48.15, -22.32, -5.57
CIELCh	48, 23.005, 194.024
Yxy	16.9095, 0.2461, 0.3333
Android (android.graphics.Color)	4281826683 (0xFF377D7B)
YUV	103.8420, 9.4449, -42.8344
Hunter-Lab	41.1212, -17.7645, -1.9819

Details

The Yxy color **16.9095, 0.2461, 0.3333** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.3937, 0.4653, 0.3256**, and the grayscale version is **13.7852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1871, 0.2617, 0.3335**, and **5.6633, 0.2267, 0.3360** is the 20% darker color. If you saturate the color by 10%, you get **16.5914, 0.2389, 0.3342**, and if you desaturate by 10%, it is **17.3184, 0.2550, 0.3324**.

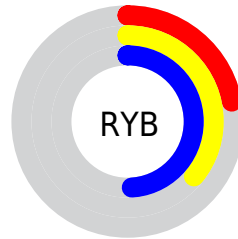
Distribution



Red (22%)

Green (49%)

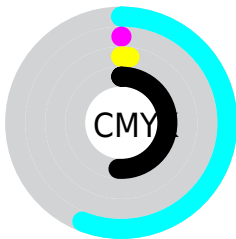
Blue (48%)



Red (22%)

Yellow (36%)

Blue (49%)

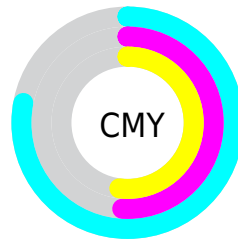


Cyan (56%)

Magenta (0%)

Yellow (2%)

Black (51%)



Cyan (78%)


Magenta (51%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9095, 0.2461, 0.3333 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 16.9095, 0.2461, 0.3333 by changing the saturation by 10% instead.


 16.9095, 0.2461,
0.3333

 16.9095, 0.2461,
0.3333


 234.6503, 0.2844,
0.3315


 10.1700, 0.2344,
0.3335


 38.1701, 0.2614,
0.3328


 5.5118, 0.2179,
0.3334

 53.4600, 0.2667,
0.3326

 2.5506, 0.1929,
0.3324

 72.3688, 0.2711,
0.3323

 0.9019, 0.1180,
0.3409

 95.2809, 0.2746,
0.3321

 0.0000, 0.0000,
0.0000

 122.5807, 0.2776,
0.3319

 154.6526, 0.2802,

0.3318

191.8810, 0.2824,
0.3316

■ 16.9095, 0.2461,
0.3333

■ 16.9095, 0.2461,
0.3333

■ 16.5914, 0.2389,
0.3342

■ 17.3184, 0.2550,
0.3324

■ 16.3552, 0.2336,
0.3351

■ 17.8224, 0.2654,
0.3316

■ 16.1938, 0.2299,
0.3360

■ 18.4276, 0.2773,
0.3308

■ 16.0931, 0.2278,
0.3369

■ 19.1393, 0.2902,
0.3301

■ 16.0569, 0.2270,
0.3372

■ 19.9624, 0.3041,
0.3294

■ 20.9013, 0.3186,
0.3288

■ 21.9603, 0.3335,
0.3282

■ 23.1436, 0.3486,
0.3277

■ 24.4549, 0.3636,
0.3273

Harmonies

Analogous

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



16.9095, 0.2790, 0.3770



16.9095, 0.2461, 0.3333



16.9095, 0.2308, 0.2922

Triad

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



16.9095, 0.2461, 0.3333



16.9095, 0.2977, 0.2646



16.9095, 0.3951, 0.3884

Complementary

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



16.9095, 0.2461, 0.3333



7.3937, 0.4653, 0.3256

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.



16.9095, 0.4022, 0.3555



16.9095, 0.2461, 0.3333



16.9095, 0.3436, 0.2870

Square

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



16.9095, 0.2461, 0.3333



16.9095, 0.2588, 0.2565



16.9095, 0.3830, 0.3193



16.9095, 0.3653, 0.4085

Rectangle

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



16.9095, 0.2461, 0.3333



16.9095, 0.2316, 0.2724



16.9095, 0.3830, 0.3193



16.9095, 0.4003, 0.3783

Sweetspot

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



16.9102, 0.2461, 0.3333



34.0772, 0.2883, 0.3302



15.8244, 0.3069, 0.4989



7.7039, 0.2862, 0.3303



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.9102, 0.2461, 0.3333



29.5855, 0.2373, 0.3344



10.0110, 0.2285, 0.2503



4.8848, 0.2997, 0.3296



16.7590, 0.2270, 0.3373



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.3937, 0.4653, 0.3256



10.7281, 0.5217, 0.3255



11.5658, 0.4295, 0.3938



4.3461, 0.3274, 0.3284



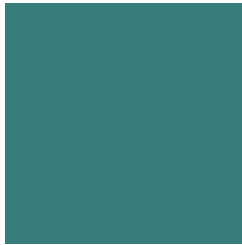
4.5586, 0.6354, 0.3274



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9095, 0.2461, 0.3333 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 16.9095, 0.2461, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

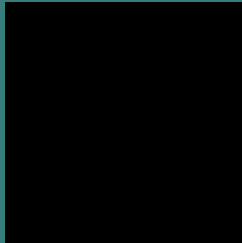
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9095, 0.2461, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 16.9095, 0.2461, 0.3333.



This preview shows how white text looks on a background with the Yxy color 16.9095, 0.2461, 0.3333.

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

16.9095, 0.2461, 0.3333

Protanopia

16.7160, 0.3117, 0.3231

Deuteranopia

16.7972, 0.3050, 0.3003



Tritanopia

16.7892, 0.2401, 0.3072

Trichromacy



Original Color

16.9095, 0.2461, 0.3333

Protanomaly

16.3816, 0.2816, 0.3247

Deuteranomaly

16.4582, 0.2785, 0.3104

Tritanomaly

16.8998, 0.2429, 0.3179

Monochromacy



Original Color

16.9095, 0.2461, 0.3333

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.7145, 0.2813, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9095, 0.2461, 0.3333 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(55, 125, 123)` looks like.

```
.text, #text, p{  
  color:rgb(55, 125, 123)  
}
```

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(55, 125, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 125, 123) }
```

Border

The CSS property to change the border of an element to Yxy 16.9095, 0.2461, 0.3333 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(55, 125, 123) }
```

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

```
.border{ border-color:rgb(55, 125, 123) }
```

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

Here you see how a box with a 4 pixel rgb(55, 125, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 125, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 125, 123);  
box-shadow:4px 4px 4px 4px rgb(55, 125,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9095, 0.2461, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 125, 123) }
```

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

```
.background{ background-color: rgb(55, 125,  
123) }
```

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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