

Converting Colors

$Y_{xy}(15.6570, 0.2567, 0.3250)$

Have a look what the booklet for
Yxy(15.6570, 0.2567, 0.3250)
contains.

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Color

Yxy(15.5781, 0.2566, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	457678
RGB	69, 118, 120
RGB Percent	27%, 46%, 47%
CMY	0.7294, 0.5372, 0.5295
CMYK	0.42, 0.02, 0.00, 0.53
HSL	182°, 27%, 37%
HSV	182°, 42%, 47%
XYZ	12.3223, 15.5781, 20.1209
YIQ	103.5770, -29.8460, -9.7660

Conversions

Conversions Part 2

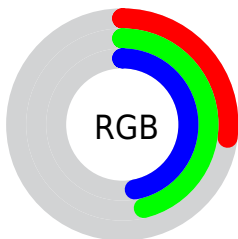
Format	Color
R_{YB}	69, 94, 120
Decimal	4552312
CIE _{Lab}	46.42, -15.98, -6.30
CIE _{LCh}	46, 17.175, 201.534
Yxy	15.5781, 0.2566, 0.3244
Android (android.graphics.Color)	4282742392 (0xFF457678)
YUV	103.5770, 8.0965, -30.3240
Hunter-Lab	39.4691, -13.3432, -2.5970

Details

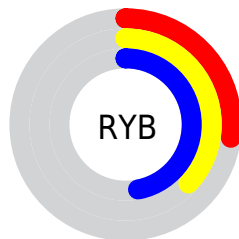
The Yxy color **15.5781, 0.2566, 0.3244** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9266, 0.4136, 0.3335**, and the grayscale version is **13.7091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7211, 0.2696, 0.3258**, and **4.8343, 0.2306, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **15.0739, 0.2466, 0.3232**, and if you desaturate by 10%, it is **16.1728, 0.2681, 0.3256**.

Distribution



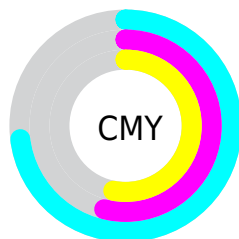
- Red (27%)
- Green (46%)
- Blue (47%)



- Red (27%)
- Yellow (37%)
- Blue (47%)



- Cyan (42%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (73%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5781, 0.2566, 0.3244 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 15.5781, 0.2566, 0.3244 by changing the saturation by 10% instead.

■ 15.5781, 0.2566,
0.3244

■ 15.5781, 0.2566,
0.3244

■ 226.8391, 0.2893,
0.3277

■ 9.2261, 0.2464,
0.3230

■ 35.8642, 0.2698,
0.3259

■ 4.8890, 0.2317,
0.3207

■ 50.5671, 0.2744,
0.3264

■ 2.1823, 0.2089,
0.3164

■ 68.8224, 0.2780,
0.3267

■ 0.7103, 0.1278,
0.3183

■ 91.0145, 0.2811,
0.3270

■ 0.0000, 0.0000,
0.0000

■ 117.5279, 0.2836,
0.3272

148.7468, 0.2858,

0.3274

185.0558, 0.2876,
0.3275

■ 15.5781, 0.2566,
0.3244

■ 15.5781, 0.2566,
0.3244

■ 15.0739, 0.2466,
0.3232

■ 16.1728, 0.2681,
0.3256

■ 14.6529, 0.2382,
0.3219

■ 16.8612, 0.2808,
0.3267

■ 14.3099, 0.2315,
0.3207

■ 17.6484, 0.2946,
0.3278

■ 14.0381, 0.2266,
0.3194

■ 18.5386, 0.3090,
0.3288

■ 13.8294, 0.2234,
0.3182

■ 19.5359, 0.3240,
0.3297

■ 13.6909, 0.2215,
0.3173

■ 20.6441, 0.3392,
0.3305

■ 21.8668, 0.3544,
0.3312

■ 23.2074, 0.3694,
0.3319

■ 24.6693, 0.3842,
0.3325

Harmonies

Analogous

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



15.5781, 0.2796, 0.3577



15.5781, 0.2566, 0.3244



15.5781, 0.2481, 0.2948

Triad

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



15.5781, 0.2566, 0.3244



15.5781, 0.3102, 0.2820



15.5781, 0.3720, 0.3805

Complementary

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



15.5781, 0.2566, 0.3244



8.9266, 0.4136, 0.3335

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.



15.5781, 0.3818, 0.3574



15.5781, 0.2566, 0.3244



15.5781, 0.3451, 0.3022

Square

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



15.5781, 0.2566, 0.3244



15.5781, 0.2778, 0.2726



15.5781, 0.3719, 0.3291



15.5781, 0.3461, 0.3910

Rectangle

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



15.5781, 0.2566, 0.3244



15.5781, 0.2514, 0.2812



15.5781, 0.3719, 0.3291



15.5781, 0.3773, 0.3739

Sweetspot

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



15.5787, 0.2566, 0.3244



30.9277, 0.2934, 0.3277



15.1455, 0.3052, 0.4489



7.2660, 0.2908, 0.3275



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.



15.5787, 0.2566, 0.3244



26.5396, 0.2468, 0.3232



10.4142, 0.2471, 0.2642



4.4870, 0.2994, 0.3281



14.9358, 0.2215, 0.3172



70.9461, 0.2213, 0.3166

Inverse Universe

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



9.5572, 0.3206, 0.2331



14.5047, 0.3226, 0.2134



12.8229, 0.3914, 0.3855



4.0750, 0.3142, 0.3087



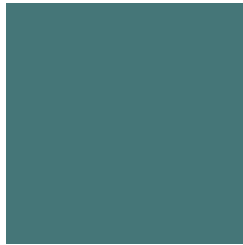
5.7146, 0.3305, 0.1594



27.2292, 0.3311, 0.1597

Previews

White Background



This preview shows how the Yxy color 15.5781, 0.2566, 0.3244 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 15.5781, 0.2566, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

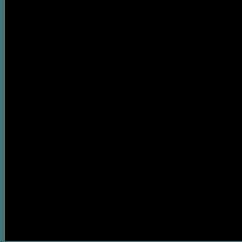
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5781, 0.2566, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 15.5781, 0.2566, 0.3244.



This preview shows how white text looks on a background with the Yxy color 15.5781, 0.2566, 0.3244.

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

15.5781, 0.2566, 0.3244

Protanopia

15.4672, 0.3078, 0.3188

Deuteranopia

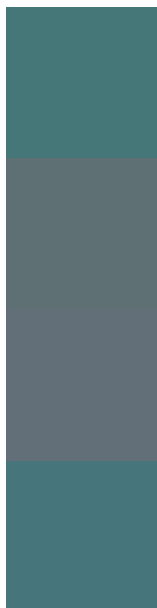
15.4979, 0.3034, 0.2993



Tritanopia

15.5685, 0.2527, 0.3091

Trichromacy



Original Color

15.5781, 0.2566, 0.3244

Protanomaly

15.2822, 0.2865, 0.3204

Deuteranomaly

15.3460, 0.2845, 0.3080

Tritanomaly

15.4799, 0.2535, 0.3133

Monochromacy



Original Color

15.5781, 0.2566, 0.3244

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.2872, 0.2881, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5781, 0.2566, 0.3244 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, 118, 120)` looks like.

```
.text, #text, p{  
    color:rgb(69, 118, 120)  
}
```

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, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 118, 120) }
```

Border

The CSS property to change the border of an element to Yxy 15.5781, 0.2566, 0.3244 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, 118, 120) }
```

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

```
.border{ border-color:rgb(69, 118, 120) }
```

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

Here you see how a box with a 4 pixel rgb(69, 118, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(69, 118,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5781, 0.2566, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 118, 120) }
```

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

```
.background{ background-color: rgb(69, 118,  
120) }
```

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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