

Converting Colors

$Y_{xy}(16.2281, 0.2961, 0.3851)$

Have a look what the booklet for
Yxy(16.2281, 0.2961, 0.3851)
contains.

Yxy(16.1623, 0.2960, 0.3832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.1623, 0.2960, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	547860
RGB	84, 120, 96
RGB Percent	33%, 47%, 38%
CMY	0.6706, 0.5294, 0.6235
CMYK	0.30, 0.00, 0.20, 0.53
HSL	140°, 18%, 40%
HSV	140°, 30%, 47%
XYZ	12.4844, 16.1623, 13.5304
YIQ	106.5000, -13.7520, -15.0960

Conversions

Conversions Part 2

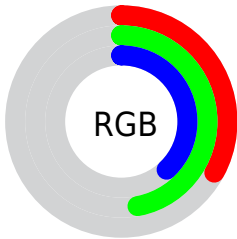
Format	Color
RYB	84, 111, 120
Decimal	5535840
CIELab	47.19, -18.19, 9.14
CIELCh	47, 20.359, 153.328
Yxy	16.1623, 0.2960, 0.3832
Android (android.graphics.Color)	4283725920 (0xFF547860)
YUV	106.5000, -5.1765, -19.7325
Hunter-Lab	40.2024, -14.9227, 8.1871

Details

The Yxy color **16.1623, 0.2960, 0.3832** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4168, 0.3346, 0.2804**, and the grayscale version is **14.5756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7625, 0.3004, 0.3680**, and **5.1301, 0.2864, 0.4091** is the 20% darker color. If you saturate the color by 10%, you get **15.5159, 0.2911, 0.4050**, and if you desaturate by 10%, it is **16.9199, 0.3014, 0.3632**.

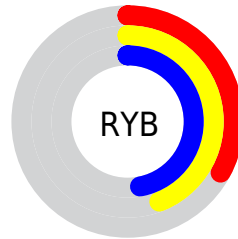
Distribution



Red (33%)

Green (47%)

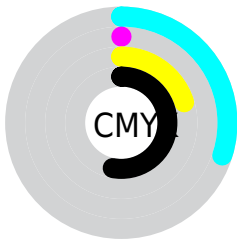
Blue (38%)



Red (33%)

Yellow (44%)

Blue (47%)

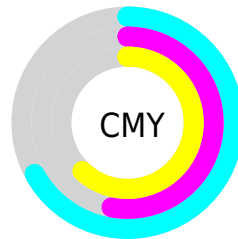


Cyan (30%)

Magenta (0%)

Yellow (20%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1623, 0.2960, 0.3832 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 16.1623, 0.2960, 0.3832 by changing the saturation by 10% instead.


 16.1623, 0.2960,
0.3832


 16.1623, 0.2960,
0.3832


230.2975, 0.3063,
0.3504

 9.6391, 0.2924,
0.3943


 36.8797, 0.3004,
0.3695

 5.1603, 0.2869,
0.4110

 51.8427, 0.3018,
0.3649


 2.3416, 0.2774,
0.4390

 70.3878, 0.3029,
0.3613

 0.7956, 0.2338,
0.5959

 92.8993, 0.3039,
0.3583

 0.0000, 0.0000,
0.0000

 119.7616, 0.3046,
0.3558

151.3591, 0.3053,

0.3537

188.0763, 0.3058,
0.3520

■ 16.1623, 0.2960,
0.3832

■ 16.1623, 0.2960,
0.3832

■ 15.5159, 0.2911,
0.4050

■ 16.9199, 0.3014,
0.3632

■ 14.9735, 0.2869,
0.4283

■ 17.7916, 0.3070,
0.3451

■ 14.5299, 0.2837,
0.4527

■ 18.7827, 0.3127,
0.3290

■ 14.1788, 0.2818,
0.4774

■ 19.8976, 0.3184,
0.3147

■ 13.9133, 0.2815,
0.5016

■ 21.1404, 0.3238,
0.3021

■ 13.7251, 0.2827,
0.5241

■ 22.5150, 0.3291,
0.2910

■ 13.5867, 0.2846,
0.5447

■ 24.0252, 0.3341,
0.2813

■ 13.5867, 0.2846,
0.5447

■ 25.6747, 0.3389,
0.2729

■ 27.4669, 0.3434,
0.2655

Harmonies

Analogous

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



16.1623, 0.3363, 0.4012



16.1623, 0.2960, 0.3832



16.1623, 0.2617, 0.3475

Triad

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



16.1623, 0.2960, 0.3832



16.1623, 0.2546, 0.2644



16.1623, 0.3895, 0.3417

Complementary

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



16.1623, 0.2960, 0.3832



11.4168, 0.3346, 0.2804

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.



16.1623, 0.3648, 0.3093



16.1623, 0.2960, 0.3832



16.1623, 0.2856, 0.2663

Square

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



16.1623, 0.2960, 0.3832



16.1623, 0.2391, 0.2787



16.1623, 0.3259, 0.2825



16.1623, 0.3917, 0.3733

Rectangle

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



16.1623, 0.2960, 0.3832



16.1623, 0.2464, 0.3208



16.1623, 0.3259, 0.2825



16.1623, 0.3835, 0.3306

Sweetspot

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



16.1630, 0.2960, 0.3832



31.4195, 0.3075, 0.3438



17.2617, 0.3395, 0.4041



7.3989, 0.3068, 0.3459



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.



16.1630, 0.2960, 0.3832



27.6236, 0.2925, 0.3980



16.5332, 0.2774, 0.3420



4.4700, 0.3075, 0.3436



14.8195, 0.2848, 0.5454



70.5472, 0.2874, 0.5545

Inverse Universe

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



11.4168, 0.3346, 0.2804



17.8542, 0.3412, 0.2690



11.0725, 0.3649, 0.3166



4.0559, 0.3183, 0.3148



4.9849, 0.4232, 0.2105



23.6155, 0.4300, 0.2142

Previews

White Background



This preview shows how the Yxy color 16.1623, 0.2960, 0.3832 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 16.1623, 0.2960, 0.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

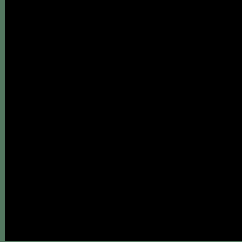
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1623, 0.2960, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 16.1623, 0.2960, 0.3832.



This preview shows how white text looks on a background with the Yxy color 16.1623, 0.2960, 0.3832.

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

16.1623, 0.2960, 0.3832

Protanopia

15.9931, 0.3469, 0.3677

Deuteranopia

15.9283, 0.3519, 0.3447



Tritanopia

16.1451, 0.2720, 0.3100

Trichromacy



Original Color

16.1623, 0.2960, 0.3832

Protanomaly

15.8891, 0.3278, 0.3737

Deuteranomaly

15.8497, 0.3289, 0.3582

Tritanomaly

16.0122, 0.2812, 0.3354

Monochromacy



Original Color

16.1623, 0.2960, 0.3832

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.2203, 0.3066, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1623, 0.2960, 0.3832 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(84, 120, 96) looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 96)  
}
```

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(84, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 96) }
```

Border

The CSS property to change the border of an element to Yxy 16.1623, 0.2960, 0.3832 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(84, 120, 96) }
```

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

```
.border{ border-color:rgb(84, 120, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 120, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1623, 0.2960, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 96) }
```

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

```
.background{ background-color: rgb(84, 120,  
96) }
```

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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