

Converting Colors

$Y_{xy}(16.2112, 0.2763, 0.3629)$

Have a look what the booklet for
Yxy(16.2112, 0.2763, 0.3629)
contains.

Yxy(16.2112, 0.2763, 0.3629)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2112, 0.2763, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	4B796A
RGB	75, 121, 106
RGB Percent	29%, 47%, 42%
CMY	0.7058, 0.5255, 0.5843
CMYK	0.38, 0.00, 0.12, 0.53
HSL	160°, 23%, 38%
HSV	160°, 38%, 47%
XYZ	12.3427, 16.2112, 16.1174
YIQ	105.5360, -22.6010, -14.4170

Conversions

Conversions Part 2

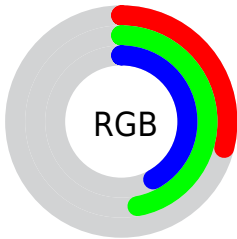
Format	Color
R_{YB}	75, 102, 121
Decimal	4946282
CIE Lab	47.25, -19.43, 3.25
CIE LCh	47, 19.704, 170.491
Yxy	16.2112, 0.2763, 0.3629
Android (android.graphics.Color)	4283136362 (0xFF4B796A)
YUV	105.5360, 0.2288, -26.7801
Hunter-Lab	40.2631, -15.7413, 4.4503

Details

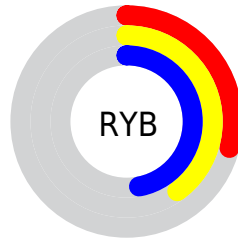
The Yxy color **16.2112, 0.2763, 0.3629** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.8393, 0.3710, 0.2980**, and the grayscale version is **14.2859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1420, 0.2855, 0.3556**, and **5.1701, 0.2588, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **15.6891, 0.2687, 0.3736**, and if you desaturate by 10%, it is **16.8313, 0.2850, 0.3529**.

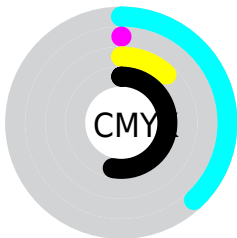
Distribution



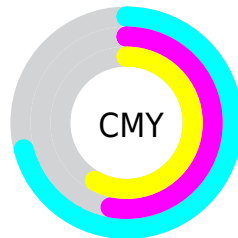
- Red (29%)
- Green (47%)
- Blue (42%)



- Red (29%)
- Yellow (40%)
- Blue (47%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (53%)





- Cyan (71%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2112, 0.2763, 0.3629 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 16.2112, 0.2763, 0.3629 by changing the saturation by 10% instead.


 16.2112, 0.2763,
0.3629


 16.2112, 0.2763,
0.3629


230.5848, 0.2978,
0.3427


 9.6737, 0.2694,
0.3695


 36.9645, 0.2851,
0.3545


 5.1832, 0.2592,
0.3794

 51.9491, 0.2881,
0.3517

 2.3551, 0.2429,
0.3956

 70.5181, 0.2905,
0.3495

 0.8027, 0.1660,
0.4619

 93.0561, 0.2925,
0.3476

 0.0000, 0.0000,
0.0000

 119.9474, 0.2941,
0.3461

151.5763, 0.2956,

0.3448

188.3273, 0.2968,
0.3437

■ 16.2112, 0.2763,
0.3629

■ 16.2112, 0.2763,
0.3629

■ 15.6891, 0.2687,
0.3736

■ 16.8313, 0.2850,
0.3529

■ 15.2575, 0.2624,
0.3849

■ 17.5522, 0.2944,
0.3436

■ 14.9114, 0.2577,
0.3966

■ 18.3791, 0.3045,
0.3352

■ 14.6442, 0.2548,
0.4085

■ 19.3165, 0.3148,
0.3275

■ 14.4482, 0.2537,
0.4205

■ 20.3682, 0.3253,
0.3206

■ 14.3041, 0.2541,
0.4324

■ 21.5382, 0.3357,
0.3145

■ 14.2764, 0.2541,
0.4349

■ 22.8302, 0.3460,
0.3091

■ 24.2475, 0.3560,
0.3043

■ 25.7936, 0.3657,
0.3001

Harmonies

Analogous

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



16.2112, 0.3132, 0.3914



16.2112, 0.2763, 0.3629



16.2112, 0.2501, 0.3248

Triad

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



16.2112, 0.2763, 0.3629



16.2112, 0.2721, 0.2656



16.2112, 0.3910, 0.3595

Complementary

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



16.2112, 0.2763, 0.3629



9.8393, 0.3710, 0.2980

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.



16.2112, 0.3791, 0.3277



16.2112, 0.2763, 0.3629



16.2112, 0.3083, 0.2757

Square

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



16.2112, 0.2763, 0.3629



16.2112, 0.2480, 0.2704



16.2112, 0.3480, 0.2978



16.2112, 0.3804, 0.3862

Rectangle

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



16.2112, 0.2763, 0.3629



16.2112, 0.2416, 0.3011



16.2112, 0.3480, 0.2978



16.2112, 0.3895, 0.3491

Sweetspot

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



16.2119, 0.2763, 0.3629



32.4062, 0.3011, 0.3379



16.3737, 0.3261, 0.4320



7.3738, 0.3001, 0.3387



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.



16.2119, 0.2763, 0.3629



28.1689, 0.2693, 0.3727



14.7627, 0.2597, 0.3118



4.4913, 0.3034, 0.3361



15.2981, 0.2542, 0.4352



72.8120, 0.2559, 0.4414

Inverse Universe

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



9.8393, 0.3710, 0.2980



14.9412, 0.3922, 0.2906



10.7124, 0.3941, 0.3453



4.0346, 0.3231, 0.3220



4.5144, 0.5585, 0.2850



21.3932, 0.5716, 0.2923

Previews

White Background



This preview shows how the Yxy color 16.2112, 0.2763, 0.3629 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 16.2112, 0.2763, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

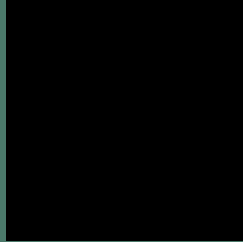
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2112, 0.2763, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 16.2112, 0.2763, 0.3629.

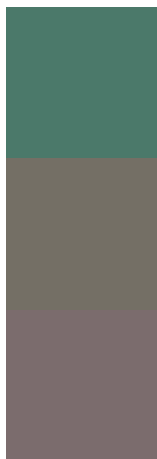


This preview shows how white text looks on a background with the Yxy color 16.2112, 0.2763, 0.3629.

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

16.2112, 0.2763, 0.3629

Protanopia

16.0215, 0.3322, 0.3494

Deuteranopia

16.0402, 0.3322, 0.3271



Tritanopia

16.1946, 0.2604, 0.3097

Trichromacy



Original Color

16.2112, 0.2763, 0.3629

Protanomaly

16.0074, 0.3089, 0.3546

Deuteranomaly

15.9571, 0.3096, 0.3394

Tritanomaly

16.1453, 0.2662, 0.3289

Monochromacy



Original Color

16.2112, 0.2763, 0.3629

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.8424, 0.2979, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2112, 0.2763, 0.3629 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(75, 121, 106)` looks like.

```
.text, #text, p{  
    color:rgb(75, 121, 106)  
}
```

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(75, 121, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 121, 106) }
```

Border

The CSS property to change the border of an element to Yxy 16.2112, 0.2763, 0.3629 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(75, 121, 106) }
```

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

```
.border{ border-color:rgb(75, 121, 106) }
```

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

Here you see how a box with a 4 pixel rgb(75, 121, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 121, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 121, 106);  
box-shadow:4px 4px 4px 4px rgb(75, 121,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2112, 0.2763, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 121, 106) }
```

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

```
.background{ background-color: rgb(75, 121,  
106) }
```

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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