

Converting Colors

$Y_{xy}(15.9291, 0.2782, 0.3604)$

Have a look what the booklet for
Yxy(15.9291, 0.2782, 0.3604)
contains.

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Color

Yxy(16.0513, 0.2781, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	4D786A
RGB	77, 120, 106
RGB Percent	30%, 47%, 42%
CMY	0.6980, 0.5294, 0.5843
CMYK	0.36, 0.00, 0.12, 0.53
HSL	160°, 22%, 39%
HSV	160°, 36%, 47%
XYZ	12.3790, 16.0513, 16.0825
YIQ	105.5470, -21.1340, -13.4700

Conversions

Conversions Part 2

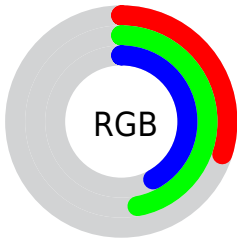
Format	Color
RYB	77, 103, 120
Decimal	5077098
CIELab	47.04, -18.29, 2.97
CIELCh	47, 18.525, 170.769
Yxy	16.0513, 0.2781, 0.3606
Android (android.graphics.Color)	4283267178 (0xFF4D786A)
YUV	105.5470, 0.2233, -25.0357
Hunter-Lab	40.0641, -14.9592, 4.2448

Details

The Yxy color **16.0513, 0.2781, 0.3606** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0572, 0.3664, 0.2999**, and the grayscale version is **14.2872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5286, 0.2869, 0.3524**, and **5.0835, 0.2617, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **15.5185, 0.2702, 0.3711**, and if you desaturate by 10%, it is **16.6812, 0.2870, 0.3508**.

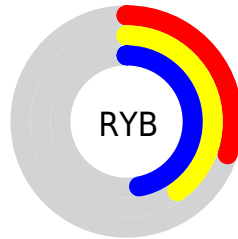
Distribution



Red (30%)

Green (47%)

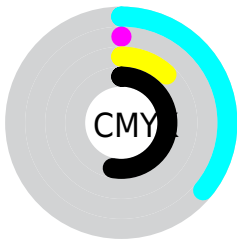
Blue (42%)



Red (30%)

Yellow (40%)

Blue (47%)

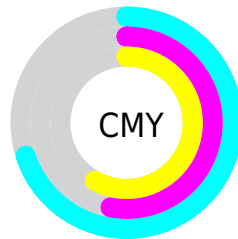


Cyan (36%)

Magenta (0%)

Yellow (12%)

Black (53%)



Cyan (70%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.0513, 0.2781, 0.3606 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 16.0513, 0.2781, 0.3606 by changing the saturation by 10% instead.

■ 16.0513, 0.2781,
0.3606

■ 16.0513, 0.2781,
0.3606

■ 229.6442, 0.2986,
0.3418

■ 9.5605, 0.2715,
0.3668

■ 36.6872, 0.2865,
0.3528

■ 5.1085, 0.2618,
0.3760

■ 51.6011, 0.2893,
0.3502

■ 2.3111, 0.2462,
0.3912

■ 70.0915, 0.2916,
0.3481

■ 0.7796, 0.1717,
0.4545

■ 92.5427, 0.2935,
0.3464

■ 0.0000, 0.0000,
0.0000

■ 119.3392, 0.2951,
0.3449

150.8654, 0.2964,

0.3437

187.5056, 0.2976,
0.3427

■ 16.0513, 0.2781,
0.3606

■ 16.0513, 0.2781,
0.3606

■ 15.5185, 0.2702,
0.3711

■ 16.6812, 0.2870,
0.3508

■ 15.0757, 0.2637,
0.3823

■ 17.4110, 0.2966,
0.3417

■ 14.7180, 0.2586,
0.3938

■ 18.2458, 0.3067,
0.3335

■ 14.4392, 0.2553,
0.4057

■ 19.1897, 0.3171,
0.3260

■ 14.2320, 0.2538,
0.4177

■ 20.2466, 0.3275,
0.3193

■ 14.0833, 0.2539,
0.4296

■ 21.4202, 0.3380,
0.3133

■ 14.0263, 0.2541,
0.4346

■ 22.7142, 0.3482,
0.3080

■ 24.1318, 0.3581,
0.3034

■ 25.6763, 0.3678,
0.2993

Harmonies

Analogous

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



16.0513, 0.3129, 0.3874



16.0513, 0.2781, 0.3606



16.0513, 0.2534, 0.3248

Triad

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



16.0513, 0.2781, 0.3606



16.0513, 0.2746, 0.2690



16.0513, 0.3866, 0.3583

Complementary

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



16.0513, 0.2781, 0.3606



10.0572, 0.3664, 0.2999

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.



16.0513, 0.3755, 0.3282



16.0513, 0.2781, 0.3606



16.0513, 0.3090, 0.2786

Square

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



16.0513, 0.2781, 0.3606



16.0513, 0.2516, 0.2736



16.0513, 0.3464, 0.2997



16.0513, 0.3765, 0.3834

Rectangle

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



16.0513, 0.2781, 0.3606



16.0513, 0.2453, 0.3026



16.0513, 0.3464, 0.2997



16.0513, 0.3852, 0.3485

Sweetspot

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



16.0520, 0.2781, 0.3606



31.2684, 0.3011, 0.3378



16.2105, 0.3255, 0.4253



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.



16.0520, 0.2781, 0.3606



27.4484, 0.2716, 0.3692



14.7077, 0.2625, 0.3129



4.4913, 0.3034, 0.3361



15.2990, 0.2542, 0.4351



72.8162, 0.2559, 0.4412

Inverse Universe

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



10.0572, 0.3664, 0.2999



15.2473, 0.3846, 0.2931



10.8965, 0.3877, 0.3443



4.0346, 0.3231, 0.3221



4.5141, 0.5587, 0.2851



21.3915, 0.5718, 0.2923

Previews

White Background



This preview shows how the Yxy color 16.0513, 0.2781, 0.3606 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 16.0513, 0.2781, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

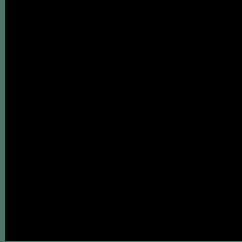
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0513, 0.2781, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 16.0513, 0.2781, 0.3606.



This preview shows how white text looks on a background with the Yxy color 16.0513, 0.2781, 0.3606.

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

16.0513, 0.2781, 0.3606

Protanopia

15.9533, 0.3308, 0.3495

Deuteranopia

15.8305, 0.3325, 0.3251



Tritanopia

16.0228, 0.2630, 0.3097

Trichromacy



Original Color

16.0513, 0.2781, 0.3606

Protanomaly

15.7806, 0.3090, 0.3525

Deuteranomaly

15.7352, 0.3097, 0.3374

Tritanomaly

15.9942, 0.2679, 0.3267

Monochromacy



Original Color

16.0513, 0.2781, 0.3606

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 16.0513, 0.2781, 0.3606 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(77, 120, 106)` looks like.

```
.text, #text, p{  
  color:rgb(77, 120, 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(77, 120, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 120, 106) }
```

Border

The CSS property to change the border of an element to Yxy 16.0513, 0.2781, 0.3606 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(77, 120, 106) }
```

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

```
.border{ border-color:rgb(77, 120, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 120, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 120, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 120, 106); box-shadow:4px 4px 4px 4px rgb(77, 120, 106) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0513, 0.2781, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 120, 106) }
```

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

```
.background{ background-color: rgb(77, 120,  
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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