

Converting Colors

$Y_{xy}(18.0851, 0.2512, 0.3332)$

Have a look what the booklet for
Yxy(18.0851, 0.2512, 0.3332)
contains.

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Color

$\text{Yxy}(18.0347, 0.2512, 0.3331)$

Conversions

Conversions Part 1

Format	Color
Hex	40807E
RGB	64, 128, 126
RGB Percent	25%, 50%, 49%
CMY	0.7490, 0.4980, 0.5058
CMYK	0.50, 0.00, 0.02, 0.50
HSL	178°, 33%, 38%
HSV	178°, 50%, 50%
XYZ	13.6005, 18.0347, 22.5068
YIQ	108.6360, -37.5020, -14.1900

Conversions

Conversions Part 2

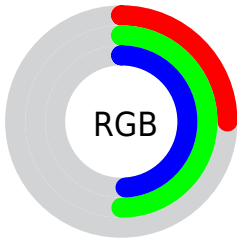
Format	Color
RYB	64, 97, 128
Decimal	4227198
CIELab	49.54, -20.97, -5.26
CIELCh	50, 21.619, 194.073
Yxy	18.0347, 0.2512, 0.3331
Android (android.graphics.Color)	4282417278 (0xFF40807E)
YUV	108.6360, 8.5605, -39.1458
Hunter-Lab	42.4673, -17.1518, -1.6954

Details

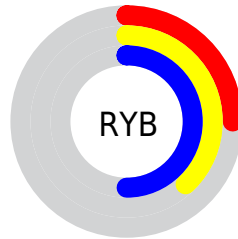
The Yxy color **18.0347, 0.2512, 0.3331** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.6507, 0.4410, 0.3255**, and the grayscale version is **15.1691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0843, 0.2649, 0.3319**, and **5.9846, 0.2256, 0.3323** is the 20% darker color. If you saturate the color by 10%, you get **17.6441, 0.2430, 0.3341**, and if you desaturate by 10%, it is **18.5253, 0.2610, 0.3322**.

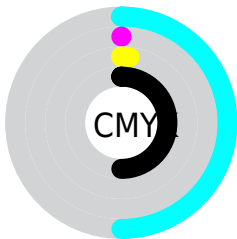
Distribution



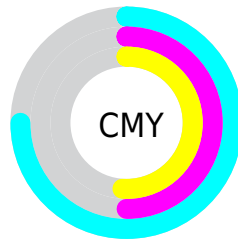
- Red (25%)
- Green (50%)
- Blue (49%)



- Red (25%)
- Yellow (38%)
- Blue (50%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (50%)




- Cyan (75%)
- Magenta (50%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0347, 0.2512, 0.3331 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 18.0347, 0.2512, 0.3331 by changing the saturation by 10% instead.


 18.0347, 0.2512,
0.3331


 18.0347, 0.2512,
0.3331


241.0666, 0.2863,
0.3313


 10.9749, 0.2406,
0.3333


 40.0964, 0.2652,
0.3326


 6.0500, 0.2258,
0.3334

 55.8672, 0.2700,
0.3323


 2.8755, 0.2034,
0.3328

 75.3104, 0.2740,
0.3321

 1.0671, 0.1542,
0.3347

 98.8104, 0.2773,
0.3319

 0.0000, 0.0000,
0.0000

 126.7516, 0.2801,
0.3318

159.5184, 0.2824,

0.3316

197.4953, 0.2845,
0.3315

■ 18.0347, 0.2512,
0.3331

■ 18.0347, 0.2512,
0.3331

■ 17.6441, 0.2430,
0.3341

■ 18.5253, 0.2610,
0.3322

■ 17.3445, 0.2366,
0.3350

■ 19.1199, 0.2723,
0.3313

■ 17.1289, 0.2320,
0.3360

■ 19.8249, 0.2849,
0.3305

■ 16.9884, 0.2290,
0.3370


■ 20.6456, 0.2984,
0.3297


■ 16.8943, 0.2272,
0.3379

■ 21.5870, 0.3127,
0.3290

 16.8942, 0.2272,
0.3379

 22.6536, 0.3275,
0.3284

 23.8499, 0.3425,
0.3278

 25.1800, 0.3575,
0.3273

 26.6480, 0.3724,
0.3269

Harmonies

Analogous

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



18.0347, 0.2818, 0.3729



18.0347, 0.2512, 0.3331



18.0347, 0.2369, 0.2953

Triad

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



18.0347, 0.2512, 0.3331



18.0347, 0.2991, 0.2693



18.0347, 0.3886, 0.3841

Complementary

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



18.0347, 0.2512, 0.3331



8.6507, 0.4410, 0.3255

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.



18.0347, 0.3950, 0.3539



18.0347, 0.2512, 0.3331



18.0347, 0.3413, 0.2902

Square

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



18.0347, 0.2512, 0.3331



18.0347, 0.2630, 0.2618



18.0347, 0.3774, 0.3203



18.0347, 0.3613, 0.4022

Rectangle

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



18.0347, 0.2512, 0.3331



18.0347, 0.2376, 0.2769



18.0347, 0.3774, 0.3203



18.0347, 0.3934, 0.3749

Sweetspot

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



18.0354, 0.2512, 0.3331



35.5503, 0.2911, 0.3301



16.9719, 0.3077, 0.4791



8.2644, 0.2887, 0.3302



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.0354, 0.2512, 0.3331



30.9825, 0.2420, 0.3342



11.4103, 0.2368, 0.2600



4.8847, 0.2997, 0.3296



16.7518, 0.2272, 0.3379



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.6507, 0.4410, 0.3255



12.4461, 0.4892, 0.3251



12.9423, 0.4140, 0.3877



4.3463, 0.3274, 0.3284



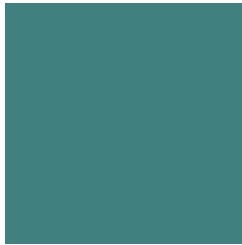
4.5592, 0.6350, 0.3272



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0347, 0.2512, 0.3331 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 18.0347, 0.2512, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

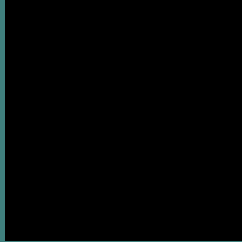
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0347, 0.2512, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 18.0347, 0.2512, 0.3331.



This preview shows how white text looks on a background with the Yxy color 18.0347, 0.2512, 0.3331.

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

18.0347, 0.2512, 0.3331

Protanopia

17.9764, 0.3129, 0.3252

Deuteranopia

17.8306, 0.3064, 0.3010



Tritanopia

17.9568, 0.2447, 0.3059

Trichromacy



Original Color

18.0347, 0.2512, 0.3331

Protanomaly

17.7325, 0.2857, 0.3269

Deuteranomaly

17.5769, 0.2826, 0.3110

Tritanomaly

18.0655, 0.2474, 0.3162

Monochromacy



Original Color

18.0347, 0.2512, 0.3331

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.0557, 0.2857, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0347, 0.2512, 0.3331 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(64, 128, 126)` looks like.

```
.text, #text, p{  
  color:rgb(64, 128, 126)  
}
```

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(64, 128, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 126) }
```

Border

The CSS property to change the border of an element to Yxy 18.0347, 0.2512, 0.3331 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(64, 128, 126) }
```

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

```
.border{ border-color:rgb(64, 128, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 128, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 126);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0347, 0.2512, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 126) }
```

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

```
.background{ background-color: rgb(64, 128,  
126) }
```

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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