

Converting Colors

$Y_{xy}(18.2295, 0.2556, 0.3440)$

Have a look what the booklet for
Yxy(18.2295, 0.2556, 0.3440)
contains.

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Color

Yxy(18.2295, 0.2556, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	41817A
RGB	65, 129, 122
RGB Percent	25%, 51%, 48%
CMY	0.7450, 0.4941, 0.5216
CMYK	0.50, 0.00, 0.05, 0.49
HSL	173°, 33%, 38%
HSV	173°, 50%, 51%
XYZ	13.5449, 18.2295, 21.2183
YIQ	109.0660, -35.8970, -15.7450

Conversions

Conversions Part 2

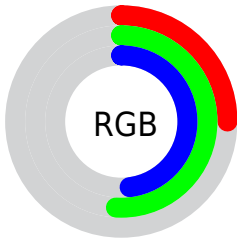
Format	Color
R _{YB}	65, 99, 129
Decimal	4292986
CIE _{Lab}	49.77, -22.34, -2.55
CIE _{LCh}	50, 22.485, 186.513
Yxy	18.2295, 0.2556, 0.3440
Android (android.graphics.Color)	4282483066 (0xFF41817A)
YUV	109.0660, 6.3765, -38.6459
Hunter-Lab	42.6960, -18.0905, 0.4223

Details

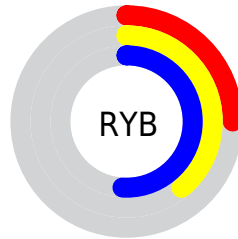
The Yxy color **18.2295, 0.2556, 0.3440** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9200, 0.4288, 0.3157**, and the grayscale version is **15.3046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3634, 0.2690, 0.3410**, and **6.0924, 0.2320, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **17.8041, 0.2479, 0.3475**, and if you desaturate by 10%, it is **18.7574, 0.2649, 0.3406**.

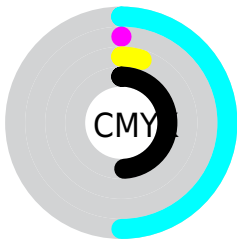
Distribution



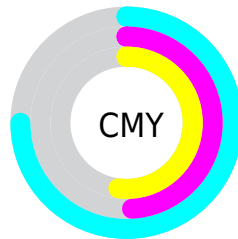
- Red (25%)
- Green (51%)
- Blue (48%)



- Red (25%)
- Yellow (39%)
- Blue (51%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (49%)




- Cyan (75%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2295, 0.2556, 0.3440 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 18.2295, 0.2556, 0.3440 by changing the saturation by 10% instead.


 18.2295, 0.2556,
0.3440


 18.2295, 0.2556,
0.3440


242.1615, 0.2883,
0.3357


 11.1149, 0.2457,
0.3464


 40.4280, 0.2687,
0.3408


 6.1442, 0.2317,
0.3496

 56.2807, 0.2732,
0.3396

 2.9329, 0.2105,
0.3541

 75.8148, 0.2769,
0.3387

 1.0968, 0.1615,
0.3666

 99.4148, 0.2799,
0.3379

 0.0000, 0.0000,
0.0000

 127.4651, 0.2825,
0.3372

160.3500, 0.2847,

0.3366

198.4540, 0.2866,
0.3361

■ 18.2295, 0.2556,
0.3440

■ 18.2295, 0.2556,
0.3440

■ 17.8041, 0.2479,
0.3475

■ 18.7574, 0.2649,
0.3406

■ 17.4722, 0.2419,
0.3511

■ 19.3919, 0.2755,
0.3374

■ 17.2266, 0.2377,
0.3548


■ 20.1396, 0.2873,
0.3343


■ 17.0582, 0.2353,
0.3584


■ 21.0058, 0.3000,
0.3315


■ 16.9401, 0.2340,
0.3621

■ 21.9955, 0.3133,
0.3289

 16.9353, 0.2340,
0.3622

 23.1135, 0.3269,
0.3266

 24.3642, 0.3408,
0.3245

 25.7519, 0.3545,
0.3226

 27.2807, 0.3681,
0.3210

Harmonies

Analogous

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



18.2295, 0.2905, 0.3834



18.2295, 0.2556, 0.3440



18.2295, 0.2363, 0.3029

Triad

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



18.2295, 0.2556, 0.3440



18.2295, 0.2881, 0.2640



18.2295, 0.3953, 0.3788

Complementary

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



18.2295, 0.2556, 0.3440



8.9200, 0.4288, 0.3157

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.



18.2295, 0.3957, 0.3459



18.2295, 0.2556, 0.3440



18.2295, 0.3313, 0.2824

Square

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



18.2295, 0.2556, 0.3440



18.2295, 0.2540, 0.2602



18.2295, 0.3717, 0.3115



18.2295, 0.3717, 0.4018

Rectangle

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



18.2295, 0.2556, 0.3440



18.2295, 0.2338, 0.2813



18.2295, 0.3717, 0.3115



18.2295, 0.3982, 0.3685

Sweetspot

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



18.2302, 0.2556, 0.3440



36.6970, 0.2926, 0.3331



17.4789, 0.3132, 0.4754



8.2460, 0.2904, 0.3336



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.



18.2302, 0.2556, 0.3440



31.8310, 0.2473, 0.3478



12.7074, 0.2397, 0.2734



4.8791, 0.3006, 0.3314



16.5131, 0.2339, 0.3622



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.9200, 0.4288, 0.3157



13.1915, 0.4706, 0.3138



12.2865, 0.4183, 0.3772



4.3513, 0.3262, 0.3267



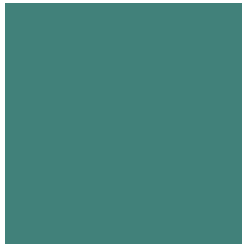
4.5821, 0.6221, 0.3201



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.2295, 0.2556, 0.3440 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 18.2295, 0.2556, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

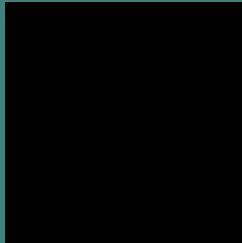
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2295, 0.2556, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 18.2295, 0.2556, 0.3440.



This preview shows how white text looks on a background with the Yxy color 18.2295, 0.2556, 0.3440.

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

18.2295, 0.2556, 0.3440

Protanopia

17.9535, 0.3189, 0.3329

Deuteranopia

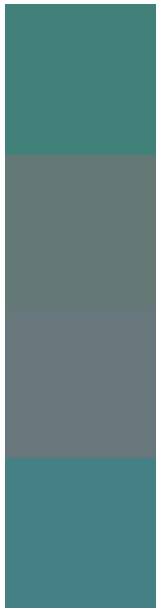
17.9509, 0.3150, 0.3086



Tritanopia

18.2870, 0.2465, 0.3082

Trichromacy



Original Color

18.2295, 0.2556, 0.3440

Protanomaly

17.6921, 0.2910, 0.3351

Deuteranomaly

17.5919, 0.2890, 0.3189

Tritanomaly

18.3332, 0.2494, 0.3204

Monochromacy



Original Color

18.2295, 0.2556, 0.3440

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.0328, 0.2867, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2295, 0.2556, 0.3440 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(65, 129, 122)` looks like.

```
.text, #text, p{  
  color:rgb(65, 129, 122)  
}
```

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(65, 129, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 129, 122) }
```

Border

The CSS property to change the border of an element to Yxy 18.2295, 0.2556, 0.3440 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(65, 129, 122) }
```

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

```
.border{ border-color:rgb(65, 129, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 129, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 129, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 129, 122);  
box-shadow:4px 4px 4px 4px rgb(65, 129,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2295, 0.2556, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 129, 122) }
```

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

```
.background{ background-color: rgb(65, 129,  
122) }
```

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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