

Converting Colors

$Y_{xy}(18.2292, 0.2500, 0.3186)$

Have a look what the booklet for
 $Y_{xy}(18.2292, 0.2500, 0.3186)$
contains.

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Color

Yxy(18.1099, 0.2497, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	457F84
RGB	69, 127, 132
RGB Percent	27%, 50%, 52%
CMY	0.7295, 0.5019, 0.4823
CMYK	0.48, 0.04, 0.00, 0.48
HSL	185°, 31%, 39%
HSV	185°, 48%, 52%
XYZ	14.2069, 18.1099, 24.5789
YIQ	110.2280, -36.1730, -10.7410

Conversions

Conversions Part 2

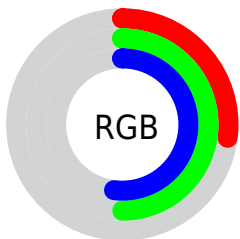
Format	Color
R_{YB}	69, 99, 132
Decimal	4554628
CIE _{Lab}	49.63, -17.53, -8.62
CIE _{LCh}	50, 19.538, 206.191
Yxy	18.1099, 0.2497, 0.3183
Android (android.graphics.Color)	4282744708 (0xFF457F84)
YUV	110.2280, 10.7336, -36.1570
Hunter-Lab	42.5557, -14.8819, -4.4552

Details

The Yxy color **18.1099, 0.2497, 0.3183** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2284, 0.4320, 0.3390**, and the grayscale version is **15.6363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2829, 0.2642, 0.3214**, and **6.1378, 0.2241, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **17.4115, 0.2401, 0.3157**, and if you desaturate by 10%, it is **18.9199, 0.2609, 0.3208**.

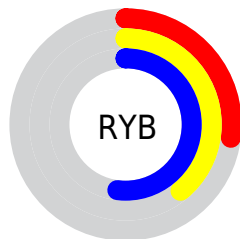
Distribution



Red (27%)

Green (50%)

Blue (52%)



Red (27%)

Yellow (39%)

Blue (52%)

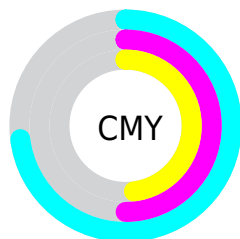


Cyan (48%)

Magenta (4%)

Yellow (0%)

Black (48%)



Cyan (73%)


Magenta (50%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1099, 0.2497, 0.3183 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 18.1099, 0.2497, 0.3183 by changing the saturation by 10% instead.


 18.1099, 0.2497,
0.3183


 18.1099, 0.2497,
0.3183


241.4898, 0.2855,
0.3252


 11.0289, 0.2390,
0.3158


 40.2245, 0.2639,
0.3213


 6.0863, 0.2241,
0.3119

 56.0269, 0.2689,
0.3223

 2.8976, 0.2017,
0.3053

 75.5053, 0.2729,
0.3230

 1.0785, 0.1595,
0.2940

 99.0439, 0.2763,
0.3236

 0.0000, 0.0000,
0.0000

 127.0273, 0.2791,
0.3241

159.8398, 0.2815,

0.3245

197.8658, 0.2836,
0.3249

■ 18.1099, 0.2497,
0.3183

■ 18.1099, 0.2497,
0.3183

■ 17.4115, 0.2401,
0.3157

■ 18.9199, 0.2609,
0.3208

■ 16.8155, 0.2321,
0.3131

■ 19.8459, 0.2733,
0.3232

■ 16.3143, 0.2260,
0.3105

■ 20.8947, 0.2869,
0.3254

■ 15.8987, 0.2216,
0.3079

■ 22.0719, 0.3012,
0.3275

■ 15.5482, 0.2186,
0.3053

■ 23.3828, 0.3161,
0.3294

■ 15.4716, 0.2180,
0.3047

■ 24.8323, 0.3312,
0.3312

■ 26.4252, 0.3464,
0.3327

■ 28.1658, 0.3614,
0.3341

■ 30.0585, 0.3761,
0.3354

Harmonies

Analogous

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



18.1099, 0.2722, 0.3547



18.1099, 0.2497, 0.3183



18.1099, 0.2433, 0.2879

Triad

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



18.1099, 0.2497, 0.3183



18.1099, 0.3159, 0.2811



18.1099, 0.3733, 0.3874

Complementary

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



18.1099, 0.2497, 0.3183



10.2284, 0.4320, 0.3390

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.



18.1099, 0.3872, 0.3638



18.1099, 0.2497, 0.3183



18.1099, 0.3531, 0.3042

Square

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



18.1099, 0.2497, 0.3183



18.1099, 0.2798, 0.2690



18.1099, 0.3799, 0.3337



18.1099, 0.3433, 0.3963

Rectangle

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



18.1099, 0.2497, 0.3183



18.1099, 0.2486, 0.2749



18.1099, 0.3799, 0.3337



18.1099, 0.3801, 0.3808

Sweetspot

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



18.1106, 0.2497, 0.3183



37.4896, 0.2917, 0.3261



18.2518, 0.3024, 0.4633



8.6404, 0.2891, 0.3257



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.1106, 0.2497, 0.3183



30.6082, 0.2396, 0.3156



11.3477, 0.2373, 0.2487



5.2174, 0.2992, 0.3272



14.9821, 0.2180, 0.3047



0.0566, 0.2216, 0.3176

Inverse Universe

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



10.6906, 0.3258, 0.2251



16.1164, 0.3292, 0.2056



15.3753, 0.4028, 0.3967



4.7566, 0.3148, 0.3092



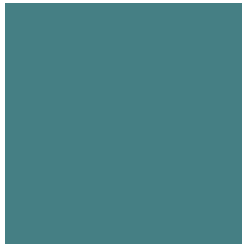
6.0994, 0.3413, 0.1654



0.0216, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 18.1099, 0.2497, 0.3183 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 18.1099, 0.2497, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

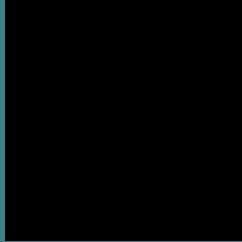
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1099, 0.2497, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 18.1099, 0.2497, 0.3183.



This preview shows how white text looks on a background with the Yxy color 18.1099, 0.2497, 0.3183.

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

18.1099, 0.2497, 0.3183

Protanopia

18.0108, 0.3023, 0.3118

Deuteranopia

18.0757, 0.2970, 0.2920



Tritanopia

18.0014, 0.2469, 0.3080

Trichromacy



Original Color

18.1099, 0.2497, 0.3183

Protanomaly

17.9426, 0.2806, 0.3149

Deuteranomaly

17.7397, 0.2765, 0.2995

Tritanomaly

17.9731, 0.2477, 0.3101

Monochromacy



Original Color

18.1099, 0.2497, 0.3183

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.2317, 0.2848, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1099, 0.2497, 0.3183 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(69, 127, 132)` looks like.

```
.text, #text, p{  
  color:rgb(69, 127, 132)  
}
```

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(69, 127, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 127, 132) }
```

Border

The CSS property to change the border of an element to Yxy 18.1099, 0.2497, 0.3183 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(69, 127, 132) }
```

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

```
.border{ border-color:rgb(69, 127, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 127, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 127, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 127, 132);  
box-shadow:4px 4px 4px 4px rgb(69, 127,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1099, 0.2497, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 127, 132) }
```

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

```
.background{ background-color: rgb(69, 127,  
132) }
```

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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