

Converting Colors

$Y_{xy}(18.0582, 0.2459, 0.3141)$

Have a look what the booklet for
Yxy(18.0582, 0.2459, 0.3141)
contains.

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Color

Yxy(18.0582, 0.2459, 0.3141)

Conversions

Conversions Part 1

Format	Color
Hex	427F86
RGB	66, 127, 134
RGB Percent	26%, 50%, 53%
CMY	0.7413, 0.5019, 0.4745
CMYK	0.51, 0.05, 0.00, 0.47
HSL	186°, 34%, 39%
HSV	186°, 51%, 53%
XYZ	14.1373, 18.0582, 25.2964
YIQ	109.5590, -38.6030, -10.7550

Conversions

Conversions Part 2

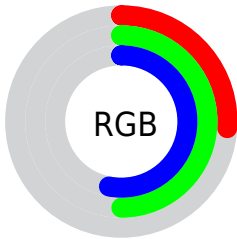
Format	Color
R_{YB}	66, 98, 134
Decimal	4358022
CIE _{Lab}	49.57, -17.70, -9.90
CIE _{LCh}	50, 20.279, 209.235
Yxy	18.0582, 0.2459, 0.3141
Android (android.graphics.Color)	4282548102 (0xFF427F86)
YUV	109.5590, 12.0494, -38.2012
Hunter-Lab	42.4949, -14.9826, -5.5477

Details

The Yxy color **18.0582, 0.2459, 0.3141** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2211, 0.4422, 0.3425**, and the grayscale version is **15.4310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1523, 0.2609, 0.3185**, and **6.1018, 0.2198, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **17.2935, 0.2365, 0.3107**, and if you desaturate by 10%, it is **18.9383, 0.2569, 0.3174**.

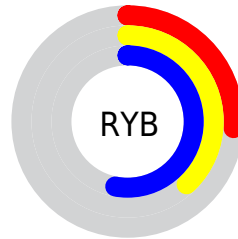
Distribution



Red (26%)

Green (50%)

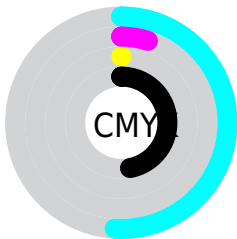
Blue (53%)



Red (26%)

Yellow (38%)

Blue (53%)

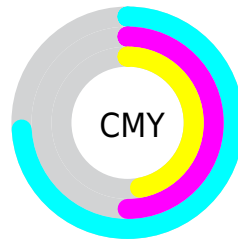


Cyan (51%)

Magenta (5%)

Yellow (0%)

Black (47%)



Cyan (74%)

Magenta (50%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0582, 0.2459, 0.3141 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 18.0582, 0.2459, 0.3141 by changing the saturation by 10% instead.

18.0582, 0.2459,
0.3141

18.0582, 0.2459,
0.3141

241.1989, 0.2838,
0.3235

10.9918, 0.2346,
0.3108

40.1365, 0.2609,
0.3181

6.0613, 0.2189,
0.3057

55.9171, 0.2662,
0.3194

2.8824, 0.1956,
0.2973

75.3713, 0.2704,
0.3205

1.0706, 0.1518,
0.2827

98.8834, 0.2740,
0.3213

0.0000, 0.0000,
0.0000

126.8378, 0.2770,
0.3220

159.6189, 0.2796,

0.3226

197.6111, 0.2818,
0.3231

■ 18.0582, 0.2459,
0.3141

■ 18.0582, 0.2459,
0.3141

■ 17.2935, 0.2365,
0.3107

■ 18.9383, 0.2569,
0.3174

■ 16.6342, 0.2288,
0.3073

■ 19.9385, 0.2692,
0.3205

■ 16.0723, 0.2229,
0.3038

■ 21.0662, 0.2826,
0.3235

■ 15.5975, 0.2187,
0.3004

■ 22.3271, 0.2968,
0.3263

■ 15.2083, 0.2159,
0.2972

■ 23.7269, 0.3116,
0.3288

■ 25.2708, 0.3266,
0.3311

■ 26.9638, 0.3417,
0.3332

■ 28.8106, 0.3567,
0.3351

■ 30.8157, 0.3713,
0.3367

Harmonies

Analogous

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



18.0582, 0.2676, 0.3520



18.0582, 0.2459, 0.3141



18.0582, 0.2411, 0.2838

Triad

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



18.0582, 0.2459, 0.3141



18.0582, 0.3200, 0.2814



18.0582, 0.3731, 0.3914

Complementary

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



18.0582, 0.2459, 0.3141



10.2211, 0.4422, 0.3425

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.



18.0582, 0.3896, 0.3679



18.0582, 0.2459, 0.3141



18.0582, 0.3582, 0.3061

Square

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



18.0582, 0.2459, 0.3141



18.0582, 0.2819, 0.2675



18.0582, 0.3843, 0.3370



18.0582, 0.3406, 0.3988

Rectangle

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



18.0582, 0.2459, 0.3141



18.0582, 0.2477, 0.2714



18.0582, 0.3843, 0.3370



18.0582, 0.3808, 0.3849

Sweetspot

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



18.0589, 0.2459, 0.3141



38.2939, 0.2902, 0.3250



18.6865, 0.2999, 0.4685



8.5384, 0.2877, 0.3245



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.



18.0589, 0.2459, 0.3141



30.2731, 0.2352, 0.3102



10.7381, 0.2313, 0.2371



5.1993, 0.2992, 0.3267



14.2601, 0.2159, 0.2973



0.0553, 0.2206, 0.3141

Inverse Universe

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



10.4929, 0.3294, 0.2214



15.6463, 0.3340, 0.2015



15.9327, 0.4078, 0.4048



4.7548, 0.3151, 0.3097



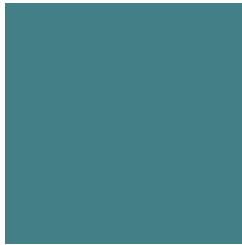
6.0265, 0.3478, 0.1689



0.0215, 0.3332, 0.1609

Previews

White Background



This preview shows how the Yxy color 18.0582, 0.2459, 0.3141 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 18.0582, 0.2459, 0.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

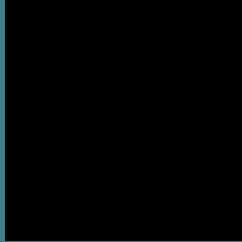
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0582, 0.2459, 0.3141

Background



This preview shows how black text looks on a background with the Yxy color 18.0582, 0.2459, 0.3141.



This preview shows how white text looks on a background with the Yxy color 18.0582, 0.2459, 0.3141.

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

18.0582, 0.2459, 0.3141

Protanopia

17.9679, 0.2999, 0.3098

Deuteranopia

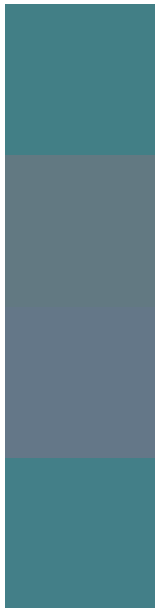
17.7627, 0.2924, 0.2863



Tritanopia

18.1782, 0.2443, 0.3080

Trichromacy



Original Color

18.0582, 0.2459, 0.3141

Protanomaly

17.8831, 0.2765, 0.3109

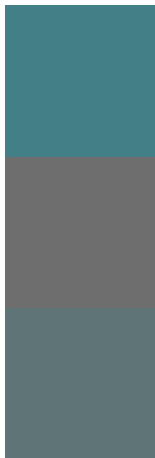
Deuteranomaly

17.6806, 0.2724, 0.2955

Tritanomaly

18.1496, 0.2451, 0.3101

Monochromacy



Original Color

18.0582, 0.2459, 0.3141

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.2024, 0.2825, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0582, 0.2459, 0.3141 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(66, 127, 134)` looks like.

```
.text, #text, p{  
    color:rgb(66, 127, 134)  
}
```

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(66, 127, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 127, 134) }
```

Border

The CSS property to change the border of an element to Yxy 18.0582, 0.2459, 0.3141 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(66, 127, 134) }
```

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

```
.border{ border-color:rgb(66, 127, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 127, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 127, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 127, 134);  
box-shadow:4px 4px 4px 4px rgb(66, 127,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0582, 0.2459, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 127, 134) }
```

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

```
.background{ background-color: rgb(66, 127,  
134) }
```

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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