

Converting Colors

$Y_{xy}(20.3461, 0.2475, 0.2979)$

Have a look what the booklet for
Yxy(20.3461, 0.2475, 0.2979)
contains.

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Color

Yxy(20.3461, 0.2475, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	508494
RGB	80, 132, 148
RGB Percent	31%, 52%, 58%
CMY	0.6863, 0.4823, 0.4196
CMYK	0.46, 0.11, 0.00, 0.42
HSL	194°, 30%, 45%
HSV	194°, 46%, 58%
XYZ	16.9039, 20.3461, 31.0485
YIQ	118.2760, -36.1280, -6.0480

Conversions

Conversions Part 2

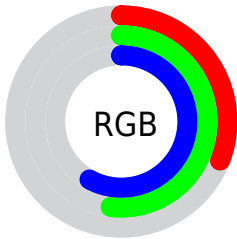
Format	Color
R_{YB}	80, 109, 148
Decimal	5276820
CIE _{Lab}	52.23, -12.90, -14.01
CIE _{LCh}	52, 19.042, 227.365
Yxy	20.3461, 0.2475, 0.2979
Android (android.graphics.Color)	4283466900 (0xFF508494)
YUV	118.2760, 14.6539, -33.5681
Hunter-Lab	45.1067, -12.0432, -9.2367

Details

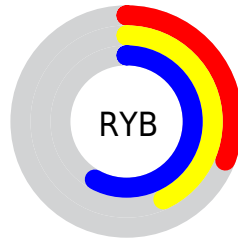
The Yxy color **20.3461, 0.2475, 0.2979** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.2370, 0.4181, 0.3571**, and the grayscale version is **18.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9487, 0.2617, 0.3052**, and **7.1043, 0.2224, 0.2834** is the 20% darker color. If you saturate the color by 10%, you get **18.8440, 0.2357, 0.2899**, and if you desaturate by 10%, it is **22.0231, 0.2605, 0.3056**.

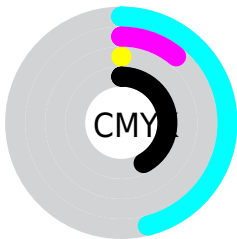
Distribution



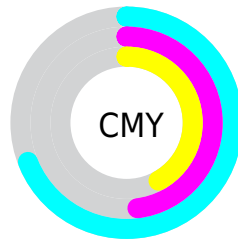
- Red (31%)
- Green (52%)
- Blue (58%)



- Red (31%)
- Yellow (43%)
- Blue (58%)



- Cyan (46%)
- Magenta (11%)
- Yellow (0%)
- Black (42%)



- Cyan (69%)
- Magenta (48%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3461, 0.2475, 0.2979 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 20.3461, 0.2475, 0.2979 by changing the saturation by 10% instead.

20.3461, 0.2475,
0.2979

20.3461, 0.2475,
0.2979

253.7826, 0.2838,
0.3162

12.6469, 0.2371,
0.2922

43.9967, 0.2617,
0.3053

7.1858, 0.2227,
0.2840

60.7168, 0.2667,
0.3079

3.5786, 0.2020,
0.2713

81.2128, 0.2708,
0.3099

1.4407, 0.1696,
0.2497

105.8688, 0.2742,
0.3116

0.2465, 0.0000,
0.1618

135.0695, 0.2772,
0.3130

0.0000, 0.0000,
0.0000

169.1991, 0.2797,

0.3142

208.6420, 0.2819,
0.3153

■ 20.3461, 0.2475,
0.2979

■ 20.3461, 0.2475,
0.2979

■ 18.8440, 0.2357,
0.2899

■ 22.0231, 0.2605,
0.3056

■ 17.5049, 0.2255,
0.2815

■ 23.8815, 0.2744,
0.3128

■ 16.3184, 0.2169,
0.2731

■ 25.9303, 0.2890,
0.3195

■ 15.2723, 0.2103,
0.2645

■ 28.1772, 0.3038,
0.3256

■ 14.3486, 0.2053,
0.2561

■ 30.6293, 0.3188,
0.3312

■ 13.9917, 0.2035,
0.2526

■ 33.2933, 0.3336,
0.3362

■ 36.1757, 0.3481,
0.3407

■ 39.2827, 0.3622,
0.3446

■ 42.6200, 0.3757,
0.3481

Harmonies

Analogous

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



20.3461, 0.2583, 0.3290



20.3461, 0.2475, 0.2979



20.3461, 0.2529, 0.2777

Triad

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



20.3461, 0.2475, 0.2979



20.3461, 0.3409, 0.2984



20.3461, 0.3509, 0.3915

Complementary

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



20.3461, 0.2475, 0.2979



15.2370, 0.4181, 0.3571

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.



20.3461, 0.3753, 0.3786



20.3461, 0.2475, 0.2979



20.3461, 0.3699, 0.3251

Square

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



20.3461, 0.2475, 0.2979



20.3461, 0.3052, 0.2793



20.3461, 0.3826, 0.3539



20.3461, 0.3171, 0.3862

Rectangle

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



20.3461, 0.2475, 0.2979



20.3461, 0.2650, 0.2720



20.3461, 0.3826, 0.3539



20.3461, 0.3605, 0.3889

Sweetspot

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



20.3469, 0.2475, 0.2979



46.3948, 0.2914, 0.3205



23.7239, 0.2936, 0.4353



10.4188, 0.2885, 0.3193



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.3469, 0.2475, 0.2979



33.2156, 0.2356, 0.2897



12.6030, 0.2353, 0.2275



6.3335, 0.2990, 0.3237



11.9958, 0.2037, 0.2532



0.1917, 0.2147, 0.2928

Inverse Universe

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



13.6982, 0.3412, 0.2429



20.5466, 0.3497, 0.2259



22.8018, 0.3912, 0.4125



5.8861, 0.3171, 0.3122



6.4043, 0.3891, 0.1917



0.0829, 0.3518, 0.1712

Previews

White Background



This preview shows how the Yxy color 20.3461, 0.2475, 0.2979 looks on a white 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

Black Background



This preview shows how the Yxy color 20.3461, 0.2475, 0.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

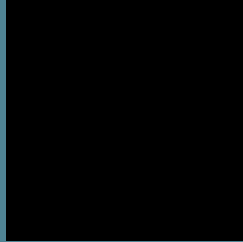
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3461, 0.2475, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 20.3461, 0.2475, 0.2979.



This preview shows how white text looks on a background with the Yxy color 20.3461, 0.2475, 0.2979.

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

20.3461, 0.2475, 0.2979

Protanopia

20.1839, 0.2899, 0.2948

Deuteranopia

20.0877, 0.2839, 0.2780



Tritanopia

20.4205, 0.2509, 0.3092

Trichromacy



Original Color

20.3461, 0.2475, 0.2979

Protanomaly

19.9995, 0.2723, 0.2954

Deuteranomaly

19.9630, 0.2686, 0.2849

Tritanomaly

20.4817, 0.2494, 0.3054

Monochromacy



Original Color

20.3461, 0.2475, 0.2979

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6940, 0.2842, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3461, 0.2475, 0.2979 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(80, 132, 148)` looks like.

```
.text, #text, p{  
  color:rgb(80, 132, 148)  
}
```

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(80, 132, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 132, 148) }
```

Border

The CSS property to change the border of an element to Yxy 20.3461, 0.2475, 0.2979 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(80, 132, 148) }
```

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

```
.border{ border-color:rgb(80, 132, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 132, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 132, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 132, 148);  
box-shadow:4px 4px 4px 4px rgb(80, 132,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3461, 0.2475, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 132, 148) }
```

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

```
.background{ background-color: rgb(80, 132,  
148) }
```

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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