

Converting Colors

$Y_{xy}(20.2603, 0.2460, 0.2978)$

Have a look what the booklet for
Yxy(20.2603, 0.2460, 0.2978)
contains.

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Color

$Y_{xy}(20.2603, 0.2460, 0.2978)$

Conversions

Conversions Part 1

Format	Color
Hex	4E8494
RGB	78, 132, 148
RGB Percent	31%, 52%, 58%
CMY	0.6942, 0.4823, 0.4197
CMYK	0.47, 0.11, 0.00, 0.42
HSL	194°, 31%, 44%
HSV	194°, 47%, 58%
XYZ	16.7362, 20.2603, 31.0368
YIQ	117.6780, -37.3200, -6.4720

Conversions

Conversions Part 2

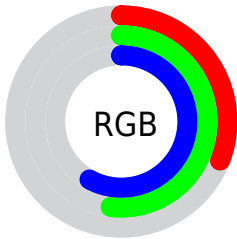
Format	Color
R_{YB}	78, 108, 148
Decimal	5145748
CIE _{Lab}	52.13, -13.42, -14.16
CIE _{LCh}	52, 19.505, 226.540
Yxy	20.2603, 0.2460, 0.2978
Android (android.graphics.Color)	4283335828 (0xFF4E8494)
YUV	117.6780, 14.9487, -34.7976
Hunter-Lab	45.0114, -12.4001, -9.3743

Details

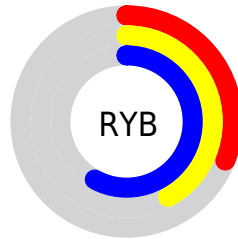
The Yxy color **20.2603, 0.2460, 0.2978** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.8424, 0.4230, 0.3571**, and the grayscale version is **17.9713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7875, 0.2604, 0.3051**, and **7.0682, 0.2206, 0.2832** is the 20% darker color. If you saturate the color by 10%, you get **18.8037, 0.2345, 0.2900**, and if you desaturate by 10%, it is **21.8888, 0.2588, 0.3053**.

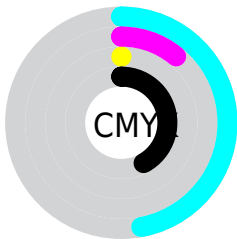
Distribution



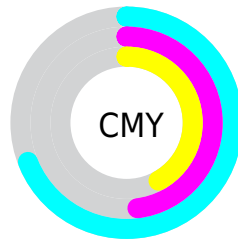
- Red (31%)
- Green (52%)
- Blue (58%)



- Red (31%)
- Yellow (42%)
- Blue (58%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (42%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2603, 0.2460, 0.2978 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 20.2603, 0.2460, 0.2978 by changing the saturation by 10% instead.

20.2603, 0.2460,
0.2978

20.2603, 0.2460,
0.2978

253.3208, 0.2831,
0.3162

12.5844, 0.2353,
0.2920

43.8532, 0.2605,
0.3053

7.1430, 0.2207,
0.2837

60.5389, 0.2656,
0.3078

3.5517, 0.1995,
0.2709

80.9967, 0.2698,
0.3099

1.4261, 0.1665,
0.2490

105.6110, 0.2734,
0.3116

0.2358, 0.0000,
0.1561

134.7662, 0.2764,
0.3130

0.0000, 0.0000,
0.0000

168.8466, 0.2789,

0.3142

208.2367, 0.2812,
0.3153

■ 20.2603, 0.2460,
0.2978

■ 20.2603, 0.2460,
0.2978

■ 18.8037, 0.2345,
0.2900

■ 21.8888, 0.2588,
0.3053

■ 17.5067, 0.2246,
0.2819

■ 23.6957, 0.2725,
0.3123

■ 16.3593, 0.2164,
0.2737


■ 25.6901, 0.2870,
0.3189

■ 15.3485, 0.2100,
0.2654


■ 27.8797, 0.3018,
0.3249

■ 14.4525, 0.2054,
0.2572


■ 30.2716, 0.3168,
0.3304

 14.2193, 0.2042,
0.2550

 32.8726, 0.3316,
0.3354

 35.6892, 0.3462,
0.3398

 38.7275, 0.3604,
0.3437

 41.9935, 0.3740,
0.3471

Harmonies

Analogous

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



20.2603, 0.2574, 0.3299



20.2603, 0.2460, 0.2978



20.2603, 0.2510, 0.2768

Triad

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



20.2603, 0.2460, 0.2978



20.2603, 0.3406, 0.2970



20.2603, 0.3527, 0.3930

Complementary

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



20.2603, 0.2460, 0.2978



14.8424, 0.4230, 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.



20.2603, 0.3774, 0.3792



20.2603, 0.2460, 0.2978



20.2603, 0.3707, 0.3241

Square

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



20.2603, 0.2460, 0.2978



20.2603, 0.3040, 0.2777



20.2603, 0.3844, 0.3537



20.2603, 0.3181, 0.3882

Rectangle

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



20.2603, 0.2460, 0.2978



20.2603, 0.2632, 0.2707



20.2603, 0.3844, 0.3537



20.2603, 0.3625, 0.3902

Sweetspot

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



20.2611, 0.2460, 0.2978



46.4721, 0.2914, 0.3208



23.5857, 0.2941, 0.4416



10.4387, 0.2885, 0.3196



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.



20.2611, 0.2460, 0.2978



32.9850, 0.2336, 0.2893



12.4582, 0.2332, 0.2264



6.3401, 0.2990, 0.3238



12.1912, 0.2043, 0.2555



0.1932, 0.2150, 0.2940

Inverse Universe

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



13.4072, 0.3415, 0.2398



19.9461, 0.3504, 0.2219



22.3211, 0.3946, 0.4131



5.8868, 0.3170, 0.3121



6.4241, 0.3868, 0.1904



0.0831, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 20.2603, 0.2460, 0.2978 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 20.2603, 0.2460, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

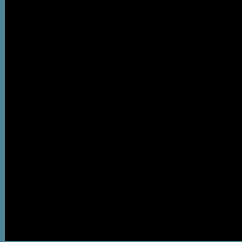
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2603, 0.2460, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 20.2603, 0.2460, 0.2978.



This preview shows how white text looks on a background with the Yxy color 20.2603, 0.2460, 0.2978.

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

20.2603, 0.2460, 0.2978

Protanopia

20.1839, 0.2899, 0.2948

Deuteranopia

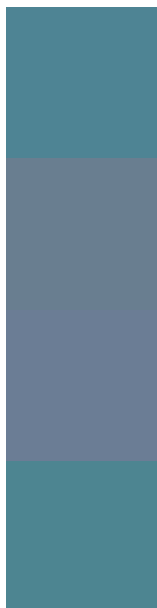
20.0877, 0.2839, 0.2780



Tritanopia

20.3360, 0.2494, 0.3091

Trichromacy



Original Color

20.2603, 0.2460, 0.2978

Protanomaly

19.9386, 0.2713, 0.2953

Deuteranomaly

19.9630, 0.2686, 0.2849

Tritanomaly

20.3972, 0.2479, 0.3053

Monochromacy



Original Color

20.2603, 0.2460, 0.2978

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.6345, 0.2832, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2603, 0.2460, 0.2978 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(78, 132, 148)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 132, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 132, 148) }
```

Border

The CSS property to change the border of an element to Yxy 20.2603, 0.2460, 0.2978 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(78, 132, 148) }
```

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

```
.border{ border-color:rgb(78, 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(78, 132, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 132, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 132, 148);  
box-shadow:4px 4px 4px 4px rgb(78, 132,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2603, 0.2460, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 132, 148) }
```

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

```
.background{ background-color: rgb(78, 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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