

Converting Colors

$Y_{xy}(20.0301, 0.2451, 0.3108)$

Have a look what the booklet for
Yxy(20.0301, 0.2451, 0.3108)
contains.

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Color

$\text{Yxy}(20.0301, 0.2451, 0.3108)$

Conversions

Conversions Part 1

Format	Color
Hex	46858E
RGB	70, 133, 142
RGB Percent	27%, 52%, 56%
CMY	0.7254, 0.4784, 0.4432
CMYK	0.51, 0.06, 0.00, 0.44
HSL	187°, 34%, 42%
HSV	187°, 51%, 56%
XYZ	15.7959, 20.0301, 28.6209
YIQ	115.1890, -40.4370, -10.5570

Conversions

Conversions Part 2

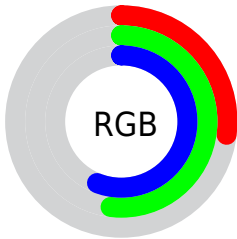
Format	Color
R_{YB}	70, 104, 142
Decimal	4621710
CIE _{Lab}	51.87, -17.65, -11.10
CIE _{LCh}	52, 20.849, 212.159
Yxy	20.0301, 0.2451, 0.3108
Android (android.graphics.Color)	4282811790 (0xFF46858E)
YUV	115.1890, 13.2178, -39.6308
Hunter-Lab	44.7550, -15.3210, -6.5875

Details

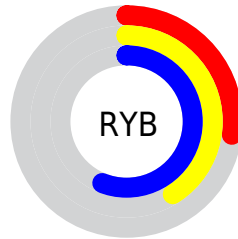
The Yxy color **20.0301, 0.2451, 0.3108** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.7854, 0.4413, 0.3454**, and the grayscale version is **17.1744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3884, 0.2598, 0.3146**, and **6.9979, 0.2188, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **19.0821, 0.2354, 0.3066**, and if you desaturate by 10%, it is **21.1127, 0.2563, 0.3148**.

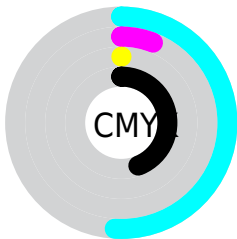
Distribution



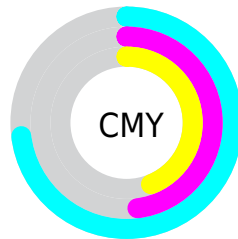
- Red (27%)
- Green (52%)
- Blue (56%)



- Red (27%)
- Yellow (41%)
- Blue (56%)



- Cyan (51%)
- Magenta (6%)
- Yellow (0%)
- Black (44%)



- Cyan (73%)
- Magenta (48%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0301, 0.2451, 0.3108 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 20.0301, 0.2451, 0.3108 by changing the saturation by 10% instead.

20.0301, 0.2451,
0.3108

20.0301, 0.2451,
0.3108

252.0780, 0.2828,
0.3220

12.4169, 0.2342,
0.3071

43.4676, 0.2599,
0.3155

7.0283, 0.2192,
0.3015

60.0608, 0.2651,
0.3170

3.4798, 0.1973,
0.2926

80.4161, 0.2694,
0.3183

1.3871, 0.1629,
0.2762

104.9179, 0.2729,
0.3193

0.2072, 0.0000,
0.1713

133.9506, 0.2760,
0.3201

0.0000, 0.0000,
0.0000

167.8986, 0.2786,

0.3208

207.1462, 0.2808,
0.3214

■ 20.0301, 0.2451,
0.3108

■ 20.0301, 0.2451,
0.3108

■ 19.0821, 0.2354,
0.3066

■ 21.1127, 0.2563,
0.3148

■ 18.2574, 0.2274,
0.3024

■ 22.3357, 0.2689,
0.3187

■ 17.5467, 0.2213,
0.2981

■ 23.7073, 0.2825,
0.3223

■ 16.9380, 0.2169,
0.2939

■ 25.2345, 0.2968,
0.3257

■ 16.4323, 0.2139,
0.2899

■ 26.9235, 0.3117,
0.3288

■ 28.7806, 0.3268,
0.3316

■ 30.8113, 0.3419,
0.3342

■ 33.0213, 0.3568,
0.3364

■ 35.4156, 0.3713,
0.3384

Harmonies

Analogous

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



20.0301, 0.2651, 0.3481



20.0301, 0.2451, 0.3108



20.0301, 0.2421, 0.2819

Triad

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



20.0301, 0.2451, 0.3108



20.0301, 0.3238, 0.2836



20.0301, 0.3701, 0.3925

Complementary

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



20.0301, 0.2451, 0.3108



11.7854, 0.4413, 0.3454

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.



20.0301, 0.3884, 0.3704



20.0301, 0.2451, 0.3108



20.0301, 0.3611, 0.3091

Square

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



20.0301, 0.2451, 0.3108



20.0301, 0.2855, 0.2686



20.0301, 0.3853, 0.3401



20.0301, 0.3368, 0.3979

Rectangle

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



20.0301, 0.2451, 0.3108



20.0301, 0.2497, 0.2706



20.0301, 0.3853, 0.3401



20.0301, 0.3783, 0.3866

Sweetspot

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



20.0309, 0.2451, 0.3108



43.2251, 0.2901, 0.3242



21.2020, 0.2990, 0.4665



9.5441, 0.2875, 0.3235



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.0309, 0.2451, 0.3108



33.4105, 0.2340, 0.3060



11.9175, 0.2305, 0.2340



6.0030, 0.2990, 0.3262



14.7740, 0.2139, 0.2901



0.1621, 0.2197, 0.3108

Inverse Universe

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



11.8260, 0.3320, 0.2233



17.6123, 0.3374, 0.2036



18.3177, 0.4071, 0.4070



5.4996, 0.3155, 0.3100



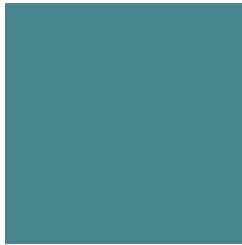
6.4778, 0.3542, 0.1725



0.0640, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 20.0301, 0.2451, 0.3108 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 20.0301, 0.2451, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

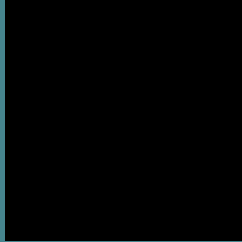
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0301, 0.2451, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 20.0301, 0.2451, 0.3108.



This preview shows how white text looks on a background with the Yxy color 20.0301, 0.2451, 0.3108.

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

20.0301, 0.2451, 0.3108

Protanopia

19.8059, 0.2983, 0.3052

Deuteranopia

19.8372, 0.2912, 0.2847



Tritanopia

20.0978, 0.2450, 0.3089

Trichromacy



Original Color

20.0301, 0.2451, 0.3108

Protanomaly

19.6403, 0.2748, 0.3060

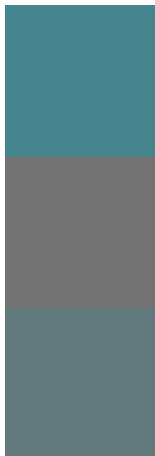
Deuteranomaly

19.6841, 0.2711, 0.2933

Tritanomaly

20.0978, 0.2450, 0.3089

Monochromacy



Original Color

20.0301, 0.2451, 0.3108

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.0524, 0.2827, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0301, 0.2451, 0.3108 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(70, 133, 142)` looks like.

```
.text, #text, p{  
    color:rgb(70, 133, 142)  
}
```

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(70, 133, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 133, 142) }
```

Border

The CSS property to change the border of an element to Yxy 20.0301, 0.2451, 0.3108 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(70, 133, 142) }
```

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

```
.border{ border-color:rgb(70, 133, 142) }
```

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

Here you see how a box with a 4 pixel rgb(70, 133, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 133, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 133, 142);  
box-shadow:4px 4px 4px 4px rgb(70, 133,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0301, 0.2451, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 133, 142) }
```

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

```
.background{ background-color: rgb(70, 133,  
142) }
```

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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