

Converting Colors

$Y_{xy}(12.1669, 0.2847, 0.3399)$

Have a look what the booklet for
Yxy(12.1669, 0.2847, 0.3399)
contains.

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Color

Yxy(12.2020, 0.2850, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	4E6762
RGB	78, 103, 98
RGB Percent	31%, 40%, 38%
CMY	0.6942, 0.5960, 0.6156
CMYK	0.24, 0.00, 0.05, 0.60
HSL	168°, 14%, 35%
HSV	168°, 24%, 40%
XYZ	10.1952, 12.2020, 13.3753
YIQ	94.9550, -13.2950, -6.8550

Conversions

Conversions Part 2

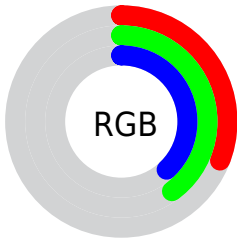
Format	Color
R_{YB}	78, 92, 103
Decimal	5138274
CIE _{Lab}	41.54, -10.43, -0.22
CIE _{LCh}	42, 10.431, 181.220
Yxy	12.2020, 0.2850, 0.3411
Android (android.graphics.Color)	4283328354 (0xFF4E6762)
YUV	94.9550, 1.5012, -14.8695
Hunter-Lab	34.9314, -9.0324, 1.7496

Details

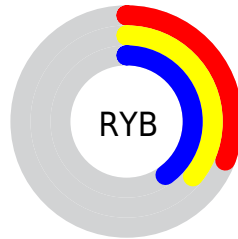
The Yxy color **12.2020, 0.2850, 0.3411** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9526, 0.3501, 0.3173**, and the grayscale version is **11.4301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8703, 0.2922, 0.3372**, and **3.3834, 0.2690, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **11.7628, 0.2748, 0.3468**, and if you desaturate by 10%, it is **12.7114, 0.2960, 0.3358**.

Distribution



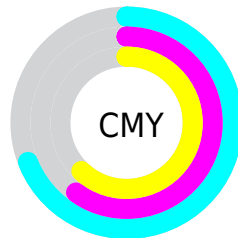
- Red (31%)
- Green (40%)
- Blue (38%)



- Red (31%)
- Yellow (36%)
- Blue (40%)



- Cyan (24%)
- Magenta (0%)
- Yellow (5%)
- Black (60%)



- Cyan (69%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2020, 0.2850, 0.3411 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 12.2020, 0.2850, 0.3411 by changing the saturation by 10% instead.

■ 12.2020, 0.2850,
0.3411

■ 12.2020, 0.2850,
0.3411

■ 205.7380, 0.3019,
0.3338

■ 6.8814, 0.2792,
0.3436

■ 29.8625, 0.2921,
0.3380

■ 3.3880, 0.2704,
0.3474

■ 42.9711, 0.2945,
0.3370

■ 1.3375, 0.2553,
0.3539

■ 59.4446, 0.2963,
0.3362

■ 0.1700, 0.0000,
0.4587

■ 79.6673, 0.2979,
0.3355

■ 0.0000, 0.0000,
0.0000

■ 104.0236, 0.2991,
0.3350

132.8979, 0.3002,

0.3345

166.6746, 0.3011,
0.3341

■ 12.2020, 0.2850,
0.3411

■ 12.2020, 0.2850,
0.3411

■ 11.7628, 0.2748,
0.3468

■ 12.7114, 0.2960,
0.3358

■ 11.3891, 0.2657,
0.3529

■ 13.2924, 0.3076,
0.3310

■ 11.0779, 0.2578,
0.3592

■ 13.9483, 0.3196,
0.3265

■ 10.8256, 0.2515,
0.3659

■ 14.6817, 0.3317,
0.3226

■ 10.6279, 0.2468,
0.3726

■ 15.4953, 0.3438,
0.3190

■ 10.4803, 0.2438,
0.3795

■ 16.3913, 0.3558,
0.3159

■ 10.3740, 0.2424,
0.3863

■ 17.3721, 0.3675,
0.3131

■ 10.3180, 0.2418,
0.3903

■ 18.4399, 0.3788,
0.3107

■ 19.5967, 0.3898,
0.3085

Harmonies

Analogous

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



12.2020, 0.3054, 0.3596



12.2020, 0.2850, 0.3411



12.2020, 0.2722, 0.3197

Triad

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



12.2020, 0.2850, 0.3411



12.2020, 0.2962, 0.2921



12.2020, 0.3574, 0.3541

Complementary

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



12.2020, 0.2850, 0.3411



8.9526, 0.3501, 0.3173

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.



12.2020, 0.3550, 0.3359



12.2020, 0.2850, 0.3411



12.2020, 0.3189, 0.3010

Square

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



12.2020, 0.2850, 0.3411



12.2020, 0.2784, 0.2922



12.2020, 0.3407, 0.3168



12.2020, 0.3475, 0.3665

Rectangle

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



12.2020, 0.2850, 0.3411



12.2020, 0.2694, 0.3071



12.2020, 0.3407, 0.3168



12.2020, 0.3580, 0.3484

Sweetspot

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



12.2025, 0.2850, 0.3411



23.4826, 0.3042, 0.3323



12.0897, 0.3168, 0.3913



5.7202, 0.3038, 0.3325



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.2025, 0.2850, 0.3411



21.3951, 0.2792, 0.3442



10.8720, 0.2777, 0.3105



3.1763, 0.3022, 0.3331



12.9745, 0.2420, 0.3911



67.5433, 0.2431, 0.3952

Inverse Universe

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



8.9526, 0.3501, 0.3173



14.5162, 0.3614, 0.3145



10.0067, 0.3554, 0.3468



2.8546, 0.3244, 0.3249



3.6894, 0.5983, 0.3070



19.1379, 0.6111, 0.3140

Previews

White Background



This preview shows how the Yxy color 12.2020, 0.2850, 0.3411 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 12.2020, 0.2850, 0.3411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

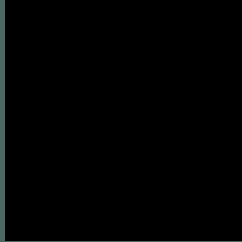
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

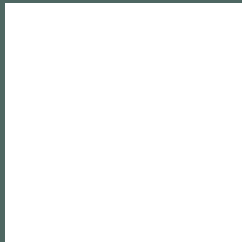
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2020, 0.2850, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 12.2020, 0.2850, 0.3411.



This preview shows how white text looks on a background with the Yxy color 12.2020, 0.2850, 0.3411.

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

12.2020, 0.2850, 0.3411

Protanopia

12.0849, 0.3201, 0.3336

Deuteranopia

12.1687, 0.3224, 0.3181



Tritanopia

12.1170, 0.2744, 0.3100

Trichromacy



Original Color

12.2020, 0.2850, 0.3411

Protanomaly

12.0435, 0.3065, 0.3360

Deuteranomaly

12.1230, 0.3084, 0.3267

Tritanomaly

12.1849, 0.2779, 0.3217

Monochromacy



Original Color

12.2020, 0.2850, 0.3411

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7037, 0.3022, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2020, 0.2850, 0.3411 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, 103, 98)` looks like.

```
.text, #text, p{  
  color:rgb(78, 103, 98)  
}
```

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, 103, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 103, 98) }
```

Border

The CSS property to change the border of an element to Yxy 12.2020, 0.2850, 0.3411 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, 103, 98) }
```

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

```
.border{ border-color:rgb(78, 103, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 103, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 103, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 103, 98);  
box-shadow:4px 4px 4px 4px rgb(78, 103,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2020, 0.2850, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 103, 98) }
```

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

```
.background{ background-color: rgb(78, 103,  
98) }
```

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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