

Converting Colors

$Y_{xy}(11.7886, 0.2941, 0.3564)$

Have a look what the booklet for
Yxy(11.7886, 0.2941, 0.3564)
contains.

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Color

Yxy(11.8778, 0.2934, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	4E665B
RGB	78, 102, 91
RGB Percent	31%, 40%, 36%
CMY	0.6942, 0.6000, 0.6431
CMYK	0.24, 0.00, 0.11, 0.60
HSL	153°, 13%, 35%
HSV	153°, 24%, 40%
XYZ	9.7809, 11.8778, 11.6778
YIQ	93.5700, -10.7730, -8.5090

Conversions

Conversions Part 2

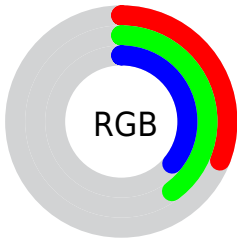
Format	Color
R_YB	78, 94, 102
Decimal	5138011
CIE Lab	41.02, -11.47, 3.29
CIE LCh	41, 11.937, 164.005
Yxy	11.8778, 0.2934, 0.3563
Android (android.graphics.Color)	4283328091 (0xFF4E665B)
YUV	93.5700, -1.2670, -13.6549
Hunter-Lab	34.4642, -9.6540, 4.0352

Details

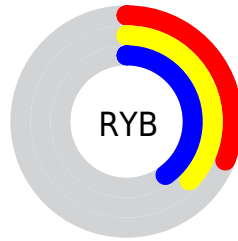
The Yxy color **11.8778, 0.2934, 0.3563** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.9921, 0.3374, 0.3033**, and the grayscale version is **11.0914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2176, 0.2981, 0.3491**, and **3.2452, 0.2839, 0.3734** is the 20% darker color. If you saturate the color by 10%, you get **11.4024, 0.2859, 0.3698**, and if you desaturate by 10%, it is **12.4261, 0.3014, 0.3439**.

Distribution



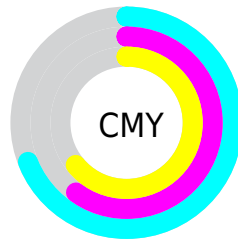
- Red (31%)
- Green (40%)
- Blue (36%)



- Red (31%)
- Yellow (37%)
- Blue (40%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (60%)



- Cyan (69%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8778, 0.2934, 0.3563 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 11.8778, 0.2934, 0.3563 by changing the saturation by 10% instead.

■ 11.8778, 0.2934,
0.3563

■ 11.8778, 0.2934,
0.3563

■ 203.5946, 0.3053,
0.3394

■ 6.6605, 0.2892,
0.3624

■ 29.2723, 0.2985,
0.3490

■ 3.2507, 0.2826,
0.3719

■ 42.2184, 0.3002,
0.3467

■ 1.2640, 0.2709,
0.3890

■ 58.5095, 0.3015,
0.3448

■ 0.1131, 0.0000,
1.0000

■ 78.5301, 0.3025,
0.3433

■ 0.0000, 0.0000,
0.0000

■ 102.6645, 0.3034,
0.3421

131.2971, 0.3042,

0.3410

164.8123, 0.3048,
0.3401

■ 11.8778, 0.2934,
0.3563

■ 11.8778, 0.2934,
0.3563

■ 11.4024, 0.2859,
0.3698

■ 12.4261, 0.3014,
0.3439

■ 10.9952, 0.2791,
0.3845

■ 13.0487, 0.3097,
0.3327

■ 10.6532, 0.2734,
0.4000

■ 13.7489, 0.3182,
0.3226

■ 10.3728, 0.2690,
0.4163

■ 14.5293, 0.3265,
0.3136

■ 10.1500, 0.2661,
0.4331

■ 15.3926, 0.3348,
0.3057

■ 9.9799, 0.2650,
0.4500

■ 16.3410, 0.3428,
0.2986

■ 9.8552, 0.2655,
0.4667

■ 17.3769, 0.3506,
0.2924

■ 9.7828, 0.2660,
0.4774

■ 18.5025, 0.3580,
0.2869

■ 19.7200, 0.3651,
0.2821

Harmonies

Analogous

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



11.8778, 0.3193, 0.3724



11.8778, 0.2934, 0.3563



11.8778, 0.2732, 0.3322

Triad

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



11.8778, 0.2934, 0.3563



11.8778, 0.2808, 0.2853



11.8778, 0.3646, 0.3461

Complementary

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



11.8778, 0.2934, 0.3563



8.9921, 0.3374, 0.3033

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.



11.8778, 0.3535, 0.3239



11.8778, 0.2934, 0.3563



11.8778, 0.3044, 0.2899

Square

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



11.8778, 0.2934, 0.3563



11.8778, 0.2662, 0.2916



11.8778, 0.3311, 0.3038



11.8778, 0.3611, 0.3650

Rectangle

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



11.8778, 0.2934, 0.3563



11.8778, 0.2654, 0.3158



11.8778, 0.3311, 0.3038



11.8778, 0.3625, 0.3388

Sweetspot

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



11.8783, 0.2934, 0.3563



22.4680, 0.3067, 0.3367



12.1870, 0.3262, 0.3873



5.2923, 0.3064, 0.3370



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.8783, 0.2934, 0.3563



20.3760, 0.2894, 0.3633



11.9255, 0.2800, 0.3270



3.1651, 0.3052, 0.3386



12.5551, 0.2665, 0.4795



65.3033, 0.2691, 0.4888

Inverse Universe

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



8.9921, 0.3374, 0.3033



14.4038, 0.3445, 0.2972



8.9356, 0.3570, 0.3310



2.8653, 0.3209, 0.3196



3.8804, 0.5045, 0.2553



20.0655, 0.5178, 0.2626

Previews

White Background



This preview shows how the Yxy color 11.8778, 0.2934, 0.3563 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 11.8778, 0.2934, 0.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

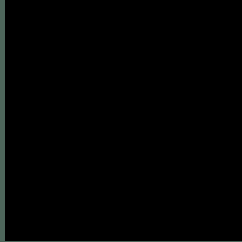
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8778, 0.2934, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 11.8778, 0.2934, 0.3563.



This preview shows how white text looks on a background with the Yxy color 11.8778, 0.2934, 0.3563.

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

11.8778, 0.2934, 0.3563

Protanopia

11.7796, 0.3304, 0.3475

Deuteranopia

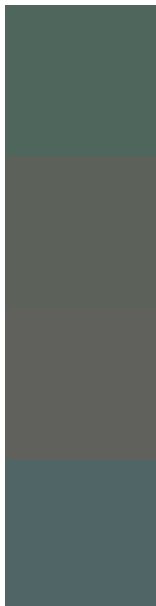
11.7448, 0.3349, 0.3291



Tritanopia

11.9464, 0.2766, 0.3100

Trichromacy



Original Color

11.8778, 0.2934, 0.3563

Protanomaly

11.7319, 0.3162, 0.3505

Deuteranomaly

11.6252, 0.3184, 0.3384

Tritanomaly

11.9721, 0.2825, 0.3265

Monochromacy



Original Color

11.8778, 0.2934, 0.3563

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.4144, 0.3048, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8778, 0.2934, 0.3563 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, 102, 91)` looks like.

```
.text, #text, p{  
    color:rgb(78, 102, 91)  
}
```

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, 102, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 102, 91) }
```

Border

The CSS property to change the border of an element to Yxy 11.8778, 0.2934, 0.3563 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, 102, 91) }
```

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

```
.border{ border-color:rgb(78, 102, 91) }
```

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

Here you see how a box with a 4 pixel rgb(78, 102, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 102, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 102, 91);  
box-shadow:4px 4px 4px 4px rgb(78, 102,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8778, 0.2934, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 102, 91) }
```

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

```
.background{ background-color: rgb(78, 102,  
91) }
```

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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