

Converting Colors

$Y_{xy}(12.0229, 0.2789, 0.3513)$

Have a look what the booklet for
Yxy(12.0229, 0.2789, 0.3513)
contains.

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Color

$Y_{xy}(12.0289, 0.2789, 0.3516)$

Conversions

Conversions Part 1

Format	Color
Hex	46685F
RGB	70, 104, 95
RGB Percent	27%, 41%, 37%
CMY	0.7254, 0.5922, 0.6275
CMYK	0.33, 0.00, 0.09, 0.59
HSL	164°, 20%, 34%
HSV	164°, 33%, 41%
XYZ	9.5417, 12.0289, 12.6413
YIQ	92.8080, -17.3750, -10.0070

Conversions

Conversions Part 2

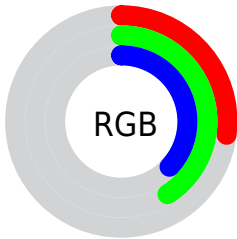
Format	Color
RYB	70, 90, 104
Decimal	4614239
CIELab	41.26, -14.44, 1.16
CIElCh	41, 14.485, 175.408
Yxy	12.0289, 0.2789, 0.3516
Android (android.graphics.Color)	4282804319 (0xFF46685F)
YUV	92.8080, 1.0807, -20.0026
Hunter-Lab	34.6827, -11.5869, 2.6676

Details

The Yxy color **12.0289, 0.2789, 0.3516** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.8902, 0.3632, 0.3078**, and the grayscale version is **10.9003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4801, 0.2883, 0.3458**, and **3.3422, 0.2613, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **11.6262, 0.2702, 0.3597**, and if you desaturate by 10%, it is **12.5014, 0.2886, 0.3440**.

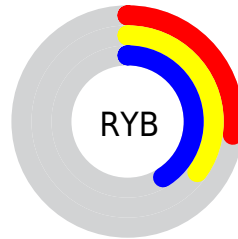
Distribution



Red (27%)

Green (41%)

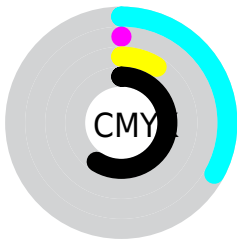
Blue (37%)



Red (27%)

Yellow (35%)

Blue (41%)

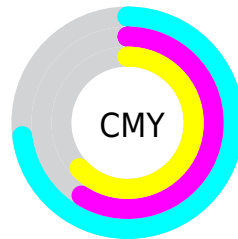


Cyan (33%)

Magenta (0%)

Yellow (9%)

Black (59%)



Cyan (73%)


Magenta (59%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0289, 0.2789, 0.3516 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 12.0289, 0.2789, 0.3516 by changing the saturation by 10% instead.


 12.0289, 0.2789,
0.3516


 12.0289, 0.2789,
0.3516


204.5965, 0.2996,
0.3377


 6.7634, 0.2717,
0.3565


 29.5477, 0.2877,
0.3457


 3.3146, 0.2608,
0.3640

 42.5698, 0.2905,
0.3438


 1.2981, 0.2419,
0.3771

 58.9462, 0.2928,
0.3422

 0.1397, 0.0000,
0.6629

 79.0613, 0.2947,
0.3410

 0.0000, 0.0000,
0.0000

 103.2995, 0.2962,
0.3400

132.0451, 0.2975,

0.3391

165.6827, 0.2986,
0.3384

■ 12.0289, 0.2789,
0.3516

■ 12.0289, 0.2789,
0.3516

■ 11.6262, 0.2702,
0.3597

■ 12.5014, 0.2886,
0.3440

■ 11.2883, 0.2627,
0.3683

■ 13.0454, 0.2989,
0.3370

■ 11.0119, 0.2566,
0.3773


■ 13.6645, 0.3098,
0.3306


■ 10.7929, 0.2521,
0.3866


■ 14.3614, 0.3209,
0.3248

■ 10.6265, 0.2494,
0.3959

■ 15.1389, 0.3320,
0.3196


 10.5062, 0.2483,
0.4053

 15.9995, 0.3432,
0.3150

 10.4283, 0.2479,
0.4123

 16.9457, 0.3541,
0.3109

 17.9798, 0.3647,
0.3073

 19.1041, 0.3750,
0.3041

Harmonies

Analogous

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



12.0289, 0.3082, 0.3762



12.0289, 0.2789, 0.3516



12.0289, 0.2591, 0.3210

Triad

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



12.0289, 0.2789, 0.3516



12.0289, 0.2840, 0.2773



12.0289, 0.3760, 0.3586

Complementary

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



12.0289, 0.2789, 0.3516



7.8902, 0.3632, 0.3078

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.



12.0289, 0.3692, 0.3327



12.0289, 0.2789, 0.3516



12.0289, 0.3147, 0.2874

Square

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



12.0289, 0.2789, 0.3516



12.0289, 0.2620, 0.2796



12.0289, 0.3463, 0.3072



12.0289, 0.3649, 0.3786

Rectangle

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



12.0289, 0.2789, 0.3516



12.0289, 0.2535, 0.3026



12.0289, 0.3463, 0.3072



12.0289, 0.3758, 0.3503

Sweetspot

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



12.0294, 0.2789, 0.3516



23.1348, 0.3015, 0.3354



12.0088, 0.3211, 0.4152



5.6180, 0.3004, 0.3361



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.



12.0294, 0.2789, 0.3516



20.5681, 0.2723, 0.3576



10.6808, 0.2666, 0.3090



3.1734, 0.3030, 0.3345



12.8494, 0.2482, 0.4133



66.8666, 0.2497, 0.4189

Inverse Universe

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



7.8902, 0.3632, 0.3078



12.1171, 0.3797, 0.3028



8.8264, 0.3760, 0.3480



2.8573, 0.3235, 0.3236



3.7239, 0.5778, 0.2957



19.2948, 0.5921, 0.3036

Previews

White Background



This preview shows how the Yxy color 12.0289, 0.2789, 0.3516 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 12.0289, 0.2789, 0.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

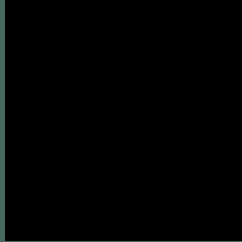
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0289, 0.2789, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 12.0289, 0.2789, 0.3516.



This preview shows how white text looks on a background with the Yxy color 12.0289, 0.2789, 0.3516.

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

12.0289, 0.2789, 0.3516

Protanopia

12.0140, 0.3258, 0.3428

Deuteranopia

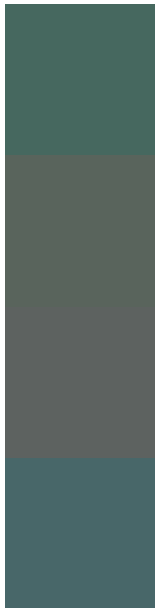
11.9326, 0.3270, 0.3224



Tritanopia

12.0450, 0.2652, 0.3097

Trichromacy



Original Color

12.0289, 0.2789, 0.3516

Protanomaly

12.0109, 0.3075, 0.3481

Deuteranomaly

11.9070, 0.3081, 0.3337

Tritanomaly

12.0981, 0.2698, 0.3240

Monochromacy



Original Color

12.0289, 0.2789, 0.3516

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2888, 0.2991, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0289, 0.2789, 0.3516 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, 104, 95)` looks like.

```
.text, #text, p{  
  color:rgb(70, 104, 95)  
}
```

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, 104, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 104, 95) }
```

Border

The CSS property to change the border of an element to Yxy 12.0289, 0.2789, 0.3516 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, 104, 95) }
```

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

```
.border{ border-color:rgb(70, 104, 95) }
```

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

Here you see how a box with a 4 pixel rgb(70, 104, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 104, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 104, 95);  
box-shadow:4px 4px 4px 4px rgb(70, 104,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0289, 0.2789, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 104, 95) }
```

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

```
.background{ background-color: rgb(70, 104,  
95) }
```

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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