

Converting Colors

$Y_{xy}(12.8278, 0.2676, 0.4325)$

Have a look what the booklet for
Yxy(12.8278, 0.2676, 0.4325)
contains.

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Color

Yxy(12.8965, 0.2680, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	22724C
RGB	34, 114, 76
RGB Percent	13%, 45%, 30%
CMY	0.8665, 0.5529, 0.7020
CMYK	0.70, 0.00, 0.33, 0.55
HSL	151°, 54%, 29%
HSV	151°, 70%, 45%
XYZ	7.9821, 12.8965, 8.9054
YIQ	85.7480, -35.4820, -28.7780

Conversions

Conversions Part 2

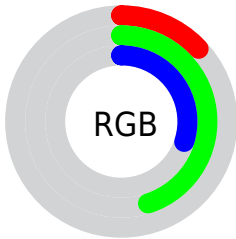
Format	Color
RYB	34, 86, 114
Decimal	2257484
CIELab	42.61, -33.66, 14.23
CIELCh	43, 36.542, 157.079
Yxy	12.8965, 0.2680, 0.4330
Android (android.graphics.Color)	4280447564 (0xFF22724C)
YUV	85.7480, -4.8058, -45.3830
Hunter-Lab	35.9117, -23.1701, 10.4354

Details

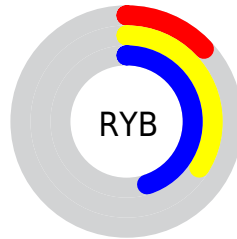
The Yxy color **12.8965, 0.2680, 0.4330** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.1916, 0.4224, 0.2526**, and the grayscale version is **9.2678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2419, 0.2804, 0.4048**, and **3.8849, 0.2676, 0.4833** is the 20% darker color. If you saturate the color by 10%, you get **12.6620, 0.2665, 0.4508**, and if you desaturate by 10%, it is **13.2027, 0.2712, 0.4154**.

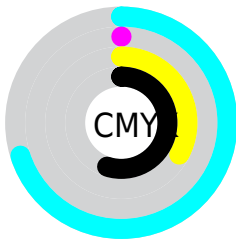
Distribution



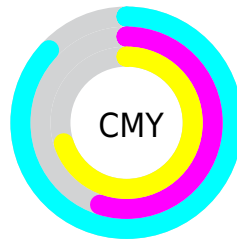
- Red (13%)
- Green (45%)
- Blue (30%)



- Red (13%)
- Yellow (34%)
- Blue (45%)



- Cyan (70%)
- Magenta (0%)
- Yellow (33%)
- Black (55%)





- Cyan (87%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8965, 0.2680, 0.4330 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 12.8965, 0.2680, 0.4330 by changing the saturation by 10% instead.


 12.8965, 0.2680,
0.4330


 12.8965, 0.2680,
0.4330


210.2533, 0.2966,
0.3669


 7.3573, 0.2572,
0.4577


 31.1177, 0.2806,
0.4040


 3.6866, 0.2399,
0.4971

 44.5685, 0.2846,
0.3948


 1.4998, 0.1996,
0.5929

 61.4254, 0.2877,
0.3876

 0.2886, 0.0000,
1.0000

 82.0726, 0.2902,
0.3819

 0.0000, 0.0000,
0.0000

 106.8946, 0.2922,
0.3771

 136.2758, 0.2939,

0.3731

170.6005, 0.2953,
0.3698

■ 12.8965, 0.2680,
0.4330

■ 12.8965, 0.2680,
0.4330

■ 12.6620, 0.2665,
0.4508

■ 13.2027, 0.2712,
0.4154

■ 12.4909, 0.2669,
0.4684

■ 13.5849, 0.2759,
0.3984

■ 12.3590, 0.2682,
0.4854

■ 14.0490, 0.2819,
0.3822

■ 14.5997, 0.2888,
0.3671

■ 15.2414, 0.2963,
0.3532

■ 15.9781, 0.3044,
0.3406

■ 16.8138, 0.3126,
0.3292

■ 17.7521, 0.3209,
0.3190

■ 18.7963, 0.3291,
0.3099

Harmonies

Analogous

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



12.8965, 0.3418, 0.4728



12.8965, 0.2680, 0.4330



12.8965, 0.2104, 0.3523

Triad

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



12.8965, 0.2680, 0.4330



12.8965, 0.2117, 0.2112



12.8965, 0.4645, 0.3522

Complementary

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



12.8965, 0.2680, 0.4330



5.1916, 0.4224, 0.2526

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.



12.8965, 0.4216, 0.2966



12.8965, 0.2680, 0.4330



12.8965, 0.2684, 0.2197

Square

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



12.8965, 0.2680, 0.4330



12.8965, 0.1824, 0.2284



12.8965, 0.3458, 0.2500



12.8965, 0.4585, 0.4093

Rectangle

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



12.8965, 0.2680, 0.4330



12.8965, 0.1877, 0.2986



12.8965, 0.3458, 0.2500



12.8965, 0.4554, 0.3331

Sweetspot

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



12.8970, 0.2680, 0.4330



26.6167, 0.2953, 0.3551



13.5544, 0.3441, 0.5165



6.0998, 0.2937, 0.3579



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.8970, 0.2680, 0.4330



22.0575, 0.2665, 0.4614



13.2917, 0.2342, 0.3255



3.7897, 0.3053, 0.3392



13.7546, 0.2684, 0.4862



68.3423, 0.2709, 0.4952

Inverse Universe

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



5.1916, 0.4224, 0.2526



7.5460, 0.4619, 0.2478



4.9167, 0.5294, 0.3320



3.4254, 0.3208, 0.3190



4.2773, 0.4982, 0.2518



21.1350, 0.5105, 0.2586

Previews

White Background



This preview shows how the Yxy color 12.8965, 0.2680, 0.4330 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 12.8965, 0.2680, 0.4330 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 12.8965, 0.2680, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 12.8965, 0.2680, 0.4330.



This preview shows how white text looks on a background with the Yxy color 12.8965, 0.2680, 0.4330.

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

12.8965, 0.2680, 0.4330

Protanopia

12.7447, 0.3677, 0.3955

Deuteranopia

12.7268, 0.3699, 0.3630



Tritanopia

12.9491, 0.2397, 0.3071

Trichromacy



Original Color

12.8965, 0.2680, 0.4330

Protanomaly

12.3204, 0.3212, 0.4115

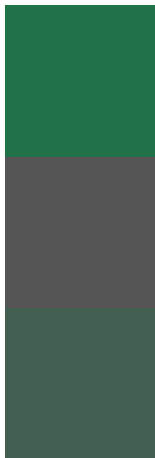
Deuteranomaly

12.2912, 0.3214, 0.3875

Tritanomaly

12.9060, 0.2493, 0.3492

Monochromacy



Original Color

12.8965, 0.2680, 0.4330

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.1682, 0.2894, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8965, 0.2680, 0.4330 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(34, 114, 76)` looks like.

```
.text, #text, p{  
    color:rgb(34, 114, 76)  
}
```

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(34, 114, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 114, 76) }
```

Border

The CSS property to change the border of an element to Yxy 12.8965, 0.2680, 0.4330 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(34, 114, 76) }
```

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

```
.border{ border-color:rgb(34, 114, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 114, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 114, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 114, 76);  
box-shadow:4px 4px 4px 4px rgb(34, 114,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8965, 0.2680, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 114, 76) }
```

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

```
.background{ background-color: rgb(34, 114,  
76) }
```

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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