

Converting Colors

$Y_{xy}(13.2306, 0.2588, 0.4290)$

Have a look what the booklet for
Yxy(13.2306, 0.2588, 0.4290)
contains.

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Color

Yxy(13.2294, 0.2585, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	157450
RGB	21, 116, 80
RGB Percent	8%, 45%, 31%
CMY	0.9180, 0.5451, 0.6862
CMYK	0.82, 0.00, 0.31, 0.55
HSL	157°, 69%, 27%
HSV	157°, 82%, 45%
XYZ	8.0014, 13.2294, 9.7224
YIQ	83.4910, -45.0640, -31.3360

Conversions

Conversions Part 2

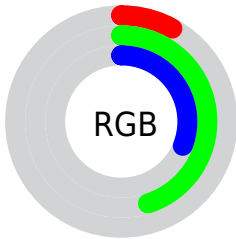
Format	Color
R_{YB}	21, 80, 116
Decimal	1406032
CIE _{Lab}	43.11, -35.64, 12.52
CIE _{LCh}	43, 37.770, 160.648
Yxy	13.2294, 0.2585, 0.4274
Android (android.graphics.Color)	4279596112 (0xFF157450)
YUV	83.4910, -1.7211, -54.8046
Hunter-Lab	36.3722, -24.3838, 9.6122

Details

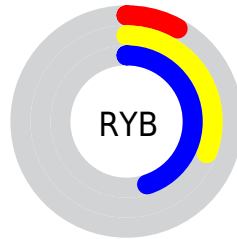
The Yxy color **13.2294, 0.2585, 0.4274** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.5411, 0.4813, 0.2663**, and the grayscale version is **8.7614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7548, 0.2733, 0.4012**, and **4.1357, 0.2652, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **13.0687, 0.2585, 0.4414**, and if you desaturate by 10%, it is **13.4539, 0.2604, 0.4134**.

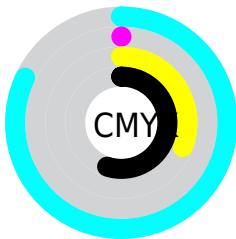
Distribution



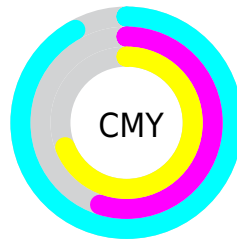
- Red (8%)
- Green (45%)
- Blue (31%)



- Red (8%)
- Yellow (31%)
- Blue (45%)



- Cyan (82%)
- Magenta (0%)
- Yellow (31%)
- Black (55%)




- Cyan (92%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2294, 0.2585, 0.4274 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 13.2294, 0.2585, 0.4274 by changing the saturation by 10% instead.


 13.2294, 0.2585,
0.4274


 13.2294, 0.2585,
0.4274


212.3827, 0.2925,
0.3652


 7.5867, 0.2462,
0.4503


 31.7153, 0.2732,
0.4003


 3.8316, 0.2269,
0.4868

 45.3273, 0.2779,
0.3916

 1.5798, 0.1823,
0.5655

 62.3645, 0.2817,
0.3848

 0.3440, 0.0000,
1.0000

 83.2113, 0.2847,
0.3794

 0.0000, 0.0000,
0.0000

 108.2522, 0.2871,
0.3749

 137.8714, 0.2892,

0.3711

172.4534, 0.2910,
0.3679

■ 13.2294, 0.2585,
0.4274

■ 13.2294, 0.2585,
0.4274

■ 13.0687, 0.2585,
0.4414

■ 13.4539, 0.2604,
0.4134

■ 12.9612, 0.2591,
0.4526

■ 13.7479, 0.2640,
0.3995

■ 14.1183, 0.2692,
0.3861

■ 14.5705, 0.2759,
0.3733

■ 15.1095, 0.2836,
0.3613

■ 15.7399, 0.2922,
0.3501

■ 16.4660, 0.3013,
0.3400

■ 17.2918, 0.3108,
0.3307

■ 18.2210, 0.3205,
0.3224

Harmonies

Analogous

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



13.2294, 0.3329, 0.4750



13.2294, 0.2585, 0.4274



13.2294, 0.2029, 0.3424

Triad

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



13.2294, 0.2585, 0.4274



13.2294, 0.2149, 0.2085



13.2294, 0.4701, 0.3592

Complementary

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



13.2294, 0.2585, 0.4274



4.5411, 0.4813, 0.2663

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.



13.2294, 0.4319, 0.3022



13.2294, 0.2585, 0.4274



13.2294, 0.2759, 0.2201

Square

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



13.2294, 0.2585, 0.4274



13.2294, 0.1818, 0.2225



13.2294, 0.3565, 0.2532



13.2294, 0.4579, 0.4172

Rectangle

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



13.2294, 0.2585, 0.4274



13.2294, 0.1824, 0.2889



13.2294, 0.3565, 0.2532



13.2294, 0.4629, 0.3397

Sweetspot

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



13.2299, 0.2585, 0.4274



27.2401, 0.2889, 0.3541



13.4266, 0.3317, 0.5506



6.4250, 0.2866, 0.3572



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.2299, 0.2585, 0.4274



22.7956, 0.2597, 0.4531



11.5048, 0.2220, 0.3003



4.1329, 0.3041, 0.3372



14.5402, 0.2593, 0.4533



70.6856, 0.2613, 0.4606

Inverse Universe

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



4.5411, 0.4813, 0.2663



6.9061, 0.5365, 0.2749



4.8007, 0.5662, 0.3460



3.7217, 0.3222, 0.3210



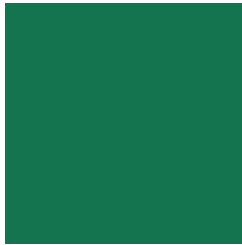
4.3668, 0.5378, 0.2736



21.1246, 0.5511, 0.2810

Previews

White Background



This preview shows how the Yxy color 13.2294, 0.2585, 0.4274 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 13.2294, 0.2585, 0.4274 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 13.2294, 0.2585, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 13.2294, 0.2585, 0.4274.



This preview shows how white text looks on a background with the Yxy color 13.2294, 0.2585, 0.4274.

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

13.2294, 0.2585, 0.4274

Protanopia

13.0396, 0.3644, 0.3906

Deuteranopia

12.9714, 0.3632, 0.3566



Tritanopia

13.2604, 0.2343, 0.3072

Trichromacy



Original Color

13.2294, 0.2585, 0.4274

Protanomaly

12.4077, 0.3105, 0.4047

Deuteranomaly

12.3190, 0.3089, 0.3809

Tritanomaly

13.2052, 0.2428, 0.3492

Monochromacy



Original Color

13.2294, 0.2585, 0.4274

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.7543, 0.2801, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2294, 0.2585, 0.4274 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(21, 116, 80)` looks like.

```
.text, #text, p{  
    color:rgb(21, 116, 80)  
}
```

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(21, 116, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 116, 80) }
```

Border

The CSS property to change the border of an element to Yxy 13.2294, 0.2585, 0.4274 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(21, 116, 80) }
```

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

```
.border{ border-color:rgb(21, 116, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 116, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 116, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 116, 80);  
box-shadow:4px 4px 4px 4px rgb(21, 116,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2294, 0.2585, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 116, 80) }
```

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

```
.background{ background-color: rgb(21, 116,  
80) }
```

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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