

Converting Colors

$Y_{xy}(14.6568, 0.2685, 0.4440)$

Have a look what the booklet for
Yxy(14.6568, 0.2685, 0.4440)
contains.

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Color

$\text{Yxy}(14.7762, 0.2682, 0.4438)$

Conversions

Conversions Part 1

Format	Color
Hex	207A4E
RGB	32, 122, 78
RGB Percent	13%, 48%, 31%
CMY	0.8746, 0.5216, 0.6941
CMYK	0.74, 0.00, 0.36, 0.52
HSL	151°, 58%, 30%
HSV	151°, 74%, 48%
XYZ	8.9296, 14.7762, 9.5889
YIQ	90.0740, -39.5160, -32.7640

Conversions

Conversions Part 2

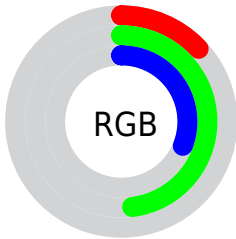
Format	Color
R _Y B	32, 92, 122
Decimal	2128462
CIE Lab	45.33, -37.04, 16.75
CIE LCh	45, 40.648, 155.660
Yxy	14.7762, 0.2682, 0.4438
Android (android.graphics.Color)	4280318542 (0xFF207A4E)
YUV	90.0740, -5.9525, -50.9309
Hunter-Lab	38.4398, -25.8038, 12.1179

Details

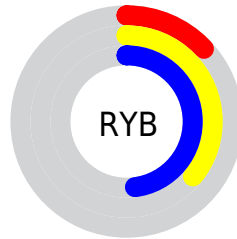
The Yxy color **14.7762, 0.2682, 0.4438** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.6910, 0.4290, 0.2480**, and the grayscale version is **10.2607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3659, 0.2809, 0.4129**, and **4.7445, 0.2713, 0.4966** is the 20% darker color. If you saturate the color by 10%, you get **14.5348, 0.2676, 0.4622**, and if you desaturate by 10%, it is **15.0989, 0.2706, 0.4254**.

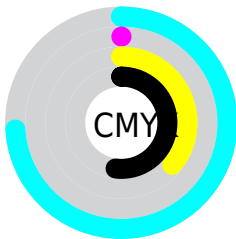
Distribution



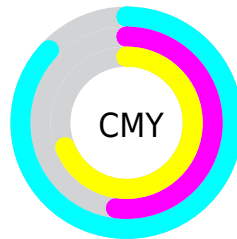
- Red (13%)
- Green (48%)
- Blue (31%)



- Red (13%)
- Yellow (36%)
- Blue (48%)



- Cyan (74%)
- Magenta (0%)
- Yellow (36%)
- Black (52%)




- Cyan (87%)
- Magenta (52%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7762, 0.2682, 0.4438 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 14.7762, 0.2682, 0.4438 by changing the saturation by 10% instead.

 14.7762, 0.2682,
0.4438


 14.7762, 0.2682,
0.4438


222.0076, 0.2965,
0.3718


 8.6625, 0.2577,
0.4698


 34.4601, 0.2806,
0.4127


 4.5217, 0.2410,
0.5103

 48.7990, 0.2845,
0.4026


 1.9695, 0.2112,
0.5872

 66.6485, 0.2876,
0.3947

 0.5896, 0.0000,
1.0000

 88.3929, 0.2901,
0.3884

 0.0000, 0.0000,
0.0000

 114.4166, 0.2921,
0.3831

 145.1040, 0.2938,

0.3787

180.8396, 0.2953,
0.3750

■ 14.7762, 0.2682,
0.4438

■ 14.7762, 0.2682,
0.4438

■ 14.5348, 0.2676,
0.4622

■ 15.0989, 0.2706,
0.4254

■ 14.3632, 0.2687,
0.4801

■ 15.5086, 0.2747,
0.4075

■ 14.2720, 0.2697,
0.4910

■ 16.0123, 0.2801,
0.3903

■ 16.6159, 0.2865,
0.3742

■ 17.3248, 0.2938,
0.3592

■ 18.1439, 0.3016,
0.3456

■ 19.0780, 0.3096,
0.3333

■ 20.1313, 0.3178,
0.3223

■ 21.3081, 0.3259,
0.3125

Harmonies

Analogous

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



14.7762, 0.3462, 0.4828



14.7762, 0.2682, 0.4438



14.7762, 0.2066, 0.3578

Triad

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



14.7762, 0.2682, 0.4438



14.7762, 0.2041, 0.2053



14.7762, 0.4728, 0.3494

Complementary

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



14.7762, 0.2682, 0.4438



5.6910, 0.4290, 0.2480

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.



14.7762, 0.4252, 0.2918



14.7762, 0.2682, 0.4438



14.7762, 0.2622, 0.2132

Square

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



14.7762, 0.2682, 0.4438



14.7762, 0.1750, 0.2241



14.7762, 0.3434, 0.2438



14.7762, 0.4681, 0.4096

Rectangle

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



14.7762, 0.2682, 0.4438



14.7762, 0.1821, 0.2998



14.7762, 0.3434, 0.2438



14.7762, 0.4625, 0.3296

Sweetspot

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



14.7768, 0.2682, 0.4438



30.6483, 0.2948, 0.3574



15.6015, 0.3459, 0.5250



6.9434, 0.2932, 0.3604



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.7768, 0.2682, 0.4438



25.3374, 0.2683, 0.4754



15.6320, 0.2328, 0.3288



4.4810, 0.3053, 0.3397



15.0233, 0.2698, 0.4914



71.4903, 0.2723, 0.5001

Inverse Universe

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



5.6910, 0.4290, 0.2480



8.3669, 0.4711, 0.2462



5.2736, 0.5503, 0.3297



4.0447, 0.3208, 0.3186



4.6939, 0.4936, 0.2493



22.2194, 0.5049, 0.2555

Previews

White Background



This preview shows how the Yxy color 14.7762, 0.2682, 0.4438 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 14.7762, 0.2682, 0.4438 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 14.7762, 0.2682, 0.4438

Background



This preview shows how black text looks on a background with the Yxy color 14.7762, 0.2682, 0.4438.



This preview shows how white text looks on a background with the Yxy color 14.7762, 0.2682, 0.4438.

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

14.7762, 0.2682, 0.4438

Protanopia

14.6963, 0.3727, 0.4018

Deuteranopia

14.4719, 0.3758, 0.3692



Tritanopia

14.7272, 0.2374, 0.3060

Trichromacy



Original Color

14.7762, 0.2682, 0.4438

Protanomaly

14.0140, 0.3226, 0.4195

Deuteranomaly

13.7555, 0.3232, 0.3945

Tritanomaly

14.6189, 0.2476, 0.3507

Monochromacy



Original Color

14.7762, 0.2682, 0.4438

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.4398, 0.2878, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7762, 0.2682, 0.4438 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(32, 122, 78)` looks like.

```
.text, #text, p{  
    color:rgb(32, 122, 78)  
}
```

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(32, 122, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 122, 78) }
```

Border

The CSS property to change the border of an element to Yxy 14.7762, 0.2682, 0.4438 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(32, 122, 78) }
```

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

```
.border{ border-color:rgb(32, 122, 78) }
```

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

Here you see how a box with a 4 pixel rgb(32, 122, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 122, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 122, 78);  
box-shadow:4px 4px 4px 4px rgb(32, 122,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7762, 0.2682, 0.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 122, 78) }
```

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

```
.background{ background-color: rgb(32, 122,  
78) }
```

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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