

Converting Colors

$Y_{xy}(14.2781, 0.2769, 0.4563)$

Have a look what the booklet for
Yxy(14.2781, 0.2769, 0.4563)
contains.

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Color

Yxy(14.3129, 0.2763, 0.4553)

Conversions

Conversions Part 1

Format	Color
Hex	267848
RGB	38, 120, 72
RGB Percent	15%, 47%, 28%
CMY	0.8510, 0.5294, 0.7176
CMYK	0.68, 0.00, 0.40, 0.53
HSL	145°, 52%, 31%
HSV	145°, 68%, 47%
XYZ	8.6858, 14.3129, 8.4375
YIQ	90.0100, -33.4640, -32.3120

Conversions

Conversions Part 2

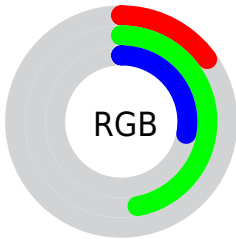
Format	Color
R_{YB}	38, 96, 120
Decimal	2521160
CIE _{Lab}	44.68, -36.33, 19.35
CIE _{LCh}	45, 41.163, 151.959
Yxy	14.3129, 0.2763, 0.4553
Android (android.graphics.Color)	4280711240 (0xFF267848)
YUV	90.0100, -8.8789, -45.6128
Hunter-Lab	37.8324, -25.2254, 13.2597

Details

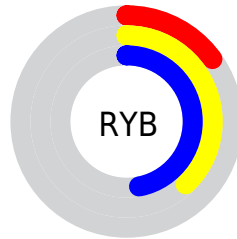
The Yxy color **14.3129, 0.2763, 0.4553** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.0514, 0.3951, 0.2363**, and the grayscale version is **10.2533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5948, 0.2868, 0.4206**, and **4.4594, 0.2771, 0.5174** is the 20% darker color. If you saturate the color by 10%, you get **14.0345, 0.2753, 0.4772**, and if you desaturate by 10%, it is **14.6765, 0.2789, 0.4334**.

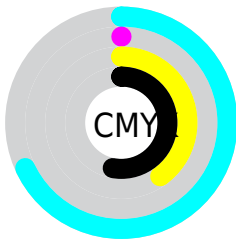
Distribution



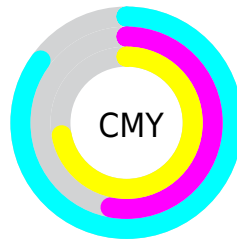
- Red (15%)
- Green (47%)
- Blue (28%)



- Red (15%)
- Yellow (38%)
- Blue (47%)



- Cyan (68%)
- Magenta (0%)
- Yellow (40%)
- Black (53%)





- Cyan (85%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3129, 0.2763, 0.4553 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 14.3129, 0.2763, 0.4553 by changing the saturation by 10% instead.


 14.3129, 0.2763,
0.4553


 14.3129, 0.2763,
0.4553


219.1688, 0.3003,
0.3755


 8.3386, 0.2668,
0.4844


 33.6432, 0.2871,
0.4206


 4.3124, 0.2510,
0.5299

 47.7680, 0.2905,
0.4095

 1.8498, 0.2249,
0.6327

 65.3784, 0.2931,
0.4008

 0.5179, 0.0000,
1.0000

 86.8589, 0.2951,
0.3938

 0.0000, 0.0000,
0.0000

 112.5937, 0.2968,
0.3880

 142.9674, 0.2982,

0.3832

178.3643, 0.2993,
0.3791

■ 14.3129, 0.2763,
0.4553

■ 14.3129, 0.2763,
0.4553

■ 14.0345, 0.2753,
0.4772

■ 14.6765, 0.2789,
0.4334

■ 13.8318, 0.2760,
0.4983

■ 15.1304, 0.2829,
0.4122

■ 13.6847, 0.2779,
0.5183

■ 15.6811, 0.2880,
0.3921

■ 13.6616, 0.2782,
0.5216

■ 16.3341, 0.2939,
0.3733

■ 17.0945, 0.3003,
0.3562

■ 17.9669, 0.3070,
0.3407

■ 18.9560, 0.3139,
0.3268

■ 20.0658, 0.3206,
0.3145

■ 21.3002, 0.3272,
0.3036

Harmonies

Analogous

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



14.3129, 0.3564, 0.4868



14.3129, 0.2763, 0.4553



14.3129, 0.2105, 0.3701

Triad

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



14.3129, 0.2763, 0.4553



14.3129, 0.1967, 0.2036



14.3129, 0.4733, 0.3419

Complementary

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



14.3129, 0.2763, 0.4553



6.0514, 0.3951, 0.2363

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.



14.3129, 0.4187, 0.2842



14.3129, 0.2763, 0.4553



14.3129, 0.2522, 0.2087

Square

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



14.3129, 0.2763, 0.4553



14.3129, 0.1709, 0.2264



14.3129, 0.3331, 0.2372



14.3129, 0.4747, 0.4032

Rectangle

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



14.3129, 0.2763, 0.4553



14.3129, 0.1830, 0.3091



14.3129, 0.3331, 0.2372



14.3129, 0.4605, 0.3220

Sweetspot

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



14.3135, 0.2763, 0.4553



29.7601, 0.2989, 0.3597



15.6093, 0.3566, 0.5053



6.9790, 0.2975, 0.3636



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.



14.3135, 0.2763, 0.4553



24.4656, 0.2755, 0.4893



15.0109, 0.2422, 0.3486



4.4750, 0.3065, 0.3418



14.9009, 0.2784, 0.5223



70.9176, 0.2810, 0.5316

Inverse Universe

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



6.0514, 0.3951, 0.2363



8.8258, 0.4237, 0.2271



5.5785, 0.5041, 0.3147



4.0507, 0.3194, 0.3165



4.8390, 0.4545, 0.2278



22.9097, 0.4634, 0.2326

Previews

White Background



This preview shows how the Yxy color 14.3129, 0.2763, 0.4553 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 14.3129, 0.2763, 0.4553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

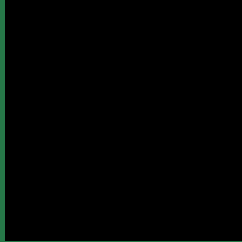
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3129, 0.2763, 0.4553

Background



This preview shows how black text looks on a background with the Yxy color 14.3129, 0.2763, 0.4553.



This preview shows how white text looks on a background with the Yxy color 14.3129, 0.2763, 0.4553.

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

14.3129, 0.2763, 0.4553

Protanopia

14.1413, 0.3805, 0.4106

Deuteranopia

14.1142, 0.3837, 0.3795



Tritanopia

14.3054, 0.2417, 0.3081

Trichromacy



Original Color

14.3129, 0.2763, 0.4553

Protanomaly

13.5955, 0.3330, 0.4291

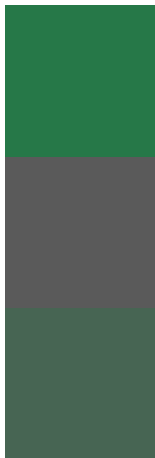
Deuteranomaly

13.5603, 0.3338, 0.4061

Tritanomaly

14.1432, 0.2537, 0.3585

Monochromacy



Original Color

14.3129, 0.2763, 0.4553

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.2715, 0.2940, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3129, 0.2763, 0.4553 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(38, 120, 72)` looks like.

```
.text, #text, p{  
    color:rgb(38, 120, 72)  
}
```

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(38, 120, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 120, 72) }
```

Border

The CSS property to change the border of an element to Yxy 14.3129, 0.2763, 0.4553 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(38, 120, 72) }
```

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

```
.border{ border-color:rgb(38, 120, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 120, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 120, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 120, 72);  
box-shadow:4px 4px 4px 4px rgb(38, 120,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3129, 0.2763, 0.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 120, 72) }
```

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

```
.background{ background-color: rgb(38, 120,  
72) }
```

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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