

Converting Colors

$Y_{xy}(14.3292, 0.2635, 0.4266)$

Have a look what the booklet for
Yxy(14.3292, 0.2635, 0.4266)
contains.

Yxy(14.3646, 0.2631, 0.4259)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.3646, 0.2631, 0.4259)

Conversions

Conversions Part 1

Format	Color
Hex	207853
RGB	32, 120, 83
RGB Percent	13%, 47%, 33%
CMY	0.8745, 0.5294, 0.6745
CMYK	0.73, 0.00, 0.31, 0.53
HSL	155°, 58%, 30%
HSV	155°, 73%, 47%
XYZ	8.8737, 14.3646, 10.4893
YIQ	89.4700, -40.5710, -30.1630

Conversions

Conversions Part 2

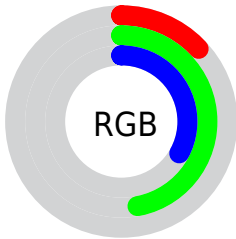
Format	Color
R_{YB}	32, 88, 120
Decimal	2127955
CIE _{Lab}	44.75, -35.03, 13.06
CIE _{LCh}	45, 37.388, 159.555
Yxy	14.3646, 0.2631, 0.4259
Android (android.graphics.Color)	4280318035 (0xFF207853)
YUV	89.4700, -3.1897, -50.4012
Hunter-Lab	37.9007, -24.5337, 10.1215

Details

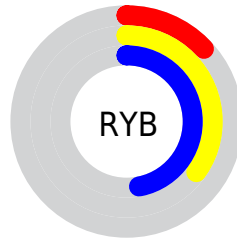
The Yxy color **14.3646, 0.2631, 0.4259** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.4564, 0.4449, 0.2600**, and the grayscale version is **10.1146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7044, 0.2758, 0.3990**, and **4.5203, 0.2637, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **14.1316, 0.2619, 0.4417**, and if you desaturate by 10%, it is **14.6744, 0.2661, 0.4103**.

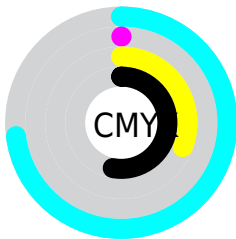
Distribution



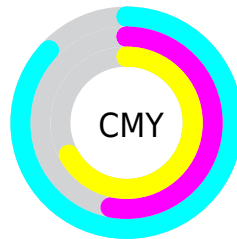
- Red (13%)
- Green (47%)
- Blue (33%)



- Red (13%)
- Yellow (35%)
- Blue (47%)



- Cyan (73%)
- Magenta (0%)
- Yellow (31%)
- Black (53%)




- Cyan (87%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3646, 0.2631, 0.4259 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 14.3646, 0.2631, 0.4259 by changing the saturation by 10% instead.


 14.3646, 0.2631,
0.4259


 14.3646, 0.2631,
0.4259


219.4874, 0.2940,
0.3653


 8.3747, 0.2521,
0.4477


 33.7346, 0.2764,
0.3997


 4.3356, 0.2350,
0.4819

 47.8834, 0.2807,
0.3913


 1.8630, 0.2035,
0.5439

 65.5207, 0.2841,
0.3847

 0.5260, 0.0000,
1.0000

 87.0308, 0.2868,
0.3793

 0.0000, 0.0000,
0.0000

 112.7981, 0.2891,
0.3749

 143.2071, 0.2910,

0.3711

178.6420, 0.2926,
0.3680

■ 14.3646, 0.2631,
0.4259

■ 14.3646, 0.2631,
0.4259

■ 14.1316, 0.2619,
0.4417

■ 14.6744, 0.2661,
0.4103

■ 13.9649, 0.2625,
0.4572

■ 15.0664, 0.2708,
0.3951

■ 13.8698, 0.2632,
0.4676

■ 15.5471, 0.2769,
0.3805

■ 16.1223, 0.2841,
0.3669

■ 16.7968, 0.2921,
0.3543

■ 17.5755, 0.3007,
0.3427

■ 18.4627, 0.3097,
0.3322

■ 19.4626, 0.3188,
0.3228

■ 20.5791, 0.3279,
0.3145

Harmonies

Analogous

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



14.3646, 0.3355, 0.4698



14.3646, 0.2631, 0.4259



14.3646, 0.2081, 0.3452

Triad

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



14.3646, 0.2631, 0.4259



14.3646, 0.2165, 0.2123



14.3646, 0.4639, 0.3568

Complementary

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



14.3646, 0.2631, 0.4259



5.4564, 0.4449, 0.2600

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.



14.3646, 0.4253, 0.3014



14.3646, 0.2631, 0.4259



14.3646, 0.2747, 0.2226

Square

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



14.3646, 0.2631, 0.4259



14.3646, 0.1852, 0.2271



14.3646, 0.3521, 0.2542



14.3646, 0.4543, 0.4131

Rectangle

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



14.3646, 0.2631, 0.4259



14.3646, 0.1873, 0.2933



14.3646, 0.3521, 0.2542



14.3646, 0.4563, 0.3379

Sweetspot

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



14.3652, 0.2631, 0.4259



29.6428, 0.2928, 0.3533



14.8449, 0.3387, 0.5285



6.9611, 0.2910, 0.3559



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.



14.3652, 0.2631, 0.4259



24.6431, 0.2621, 0.4523



13.7285, 0.2296, 0.3146



4.4853, 0.3045, 0.3381



15.1279, 0.2634, 0.4682



71.9887, 0.2655, 0.4760

Inverse Universe

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



5.4564, 0.4449, 0.2600



8.0025, 0.4925, 0.2599



5.4757, 0.5389, 0.3393



4.0404, 0.3217, 0.3200



4.6090, 0.5215, 0.2647



21.8232, 0.5340, 0.2715

Previews

White Background



This preview shows how the Yxy color 14.3646, 0.2631, 0.4259 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 14.3646, 0.2631, 0.4259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

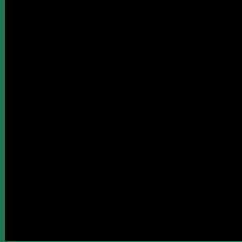
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3646, 0.2631, 0.4259

Background



This preview shows how black text looks on a background with the Yxy color 14.3646, 0.2631, 0.4259.



This preview shows how white text looks on a background with the Yxy color 14.3646, 0.2631, 0.4259.

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

14.3646, 0.2631, 0.4259

Protanopia

14.1357, 0.3640, 0.3908

Deuteranopia

14.1331, 0.3644, 0.3576



Tritanopia

14.3948, 0.2371, 0.3080

Trichromacy



Original Color

14.3646, 0.2631, 0.4259

Protanomaly

13.6012, 0.3158, 0.4035

Deuteranomaly

13.5209, 0.3143, 0.3808

Tritanomaly

14.3403, 0.2458, 0.3484

Monochromacy



Original Color

14.3646, 0.2631, 0.4259

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.0314, 0.2851, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3646, 0.2631, 0.4259 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, 120, 83)` looks like.

```
.text, #text, p{  
    color:rgb(32, 120, 83)  
}
```

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, 120, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 120, 83) }
```

Border

The CSS property to change the border of an element to Yxy 14.3646, 0.2631, 0.4259 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, 120, 83) }
```

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

```
.border{ border-color:rgb(32, 120, 83) }
```

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

Here you see how a box with a 4 pixel rgb(32, 120, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 120, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 120, 83);  
box-shadow:4px 4px 4px 4px rgb(32, 120,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3646, 0.2631, 0.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 120, 83) }
```

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

```
.background{ background-color: rgb(32, 120,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor