

Converting Colors

$Y_{xy}(14.2063, 0.2618, 0.4354)$

Have a look what the booklet for
Yxy(14.2063, 0.2618, 0.4354)
contains.

Yxy(14.2063, 0.2618, 0.4354)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.2063, 0.2618, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	187850
RGB	24, 120, 80
RGB Percent	9%, 47%, 31%
CMY	0.9056, 0.5294, 0.6863
CMYK	0.80, 0.00, 0.33, 0.53
HSL	155°, 67%, 28%
HSV	155°, 80%, 47%
XYZ	8.5421, 14.2063, 9.8798
YIQ	86.7360, -44.3760, -32.7920

Conversions

Conversions Part 2

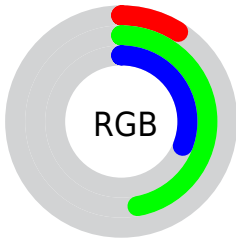
Format	Color
R_{YB}	24, 85, 120
Decimal	1603664
CIE _{Lab}	44.53, -36.93, 14.49
CIE _{LCh}	45, 39.669, 158.583
Yxy	14.2063, 0.2618, 0.4354
Android (android.graphics.Color)	4279793744 (0xFF187850)
YUV	86.7360, -3.3208, -55.0195
Hunter-Lab	37.6912, -25.5058, 10.8425

Details

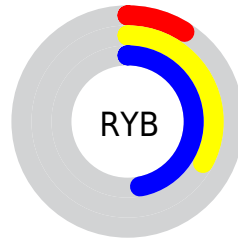
The Yxy color **14.2063, 0.2618, 0.4354** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.0201, 0.4645, 0.2591**, and the grayscale version is **9.4899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4034, 0.2760, 0.4070**, and **4.5017, 0.2675, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **14.0193, 0.2618, 0.4509**, and if you desaturate by 10%, it is **14.4649, 0.2637, 0.4198**.

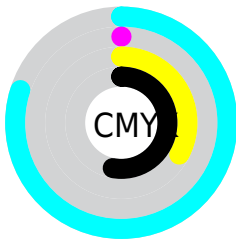
Distribution



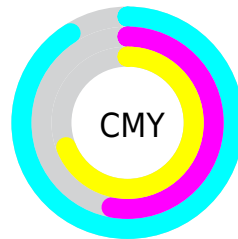
- Red (9%)
- Green (47%)
- Blue (31%)



- Red (9%)
- Yellow (33%)
- Blue (47%)



- Cyan (80%)
- Magenta (0%)
- Yellow (33%)
- Black (53%)




- Cyan (91%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2063, 0.2618, 0.4354 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 14.2063, 0.2618, 0.4354 by changing the saturation by 10% instead.


 14.2063, 0.2618,
0.4354


 14.2063, 0.2618,
0.4354


218.5105, 0.2938,
0.3685


 8.2643, 0.2502,
0.4597


 33.4546, 0.2756,
0.4064


 4.2645, 0.2321,
0.4979

 47.5297, 0.2801,
0.3971


 1.8226, 0.1967,
0.5717

 65.0847, 0.2836,
0.3898

 0.5012, 0.0000,
1.0000

 86.5038, 0.2864,
0.3839

 0.0000, 0.0000,
0.0000

 112.1716, 0.2887,
0.3790

 142.4723, 0.2907,

0.3749

177.7905, 0.2924,
0.3715

■ 14.2063, 0.2618,
0.4354

■ 14.2063, 0.2618,
0.4354

■ 14.0193, 0.2618,
0.4509

■ 14.4649, 0.2637,
0.4198

■ 13.8752, 0.2629,
0.4663

■ 14.8010, 0.2673,
0.4044

■ 13.8744, 0.2629,
0.4664

■ 15.2219, 0.2725,
0.3895

■ 15.7334, 0.2791,
0.3754

■ 16.3409, 0.2866,
0.3622

■ 17.0495, 0.2949,
0.3501

■ 17.8635, 0.3037,
0.3390

■ 18.7874, 0.3128,
0.3289

■ 19.8253, 0.3219,
0.3200

Harmonies

Analogous

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



14.2063, 0.3384, 0.4801



14.2063, 0.2618, 0.4354



14.2063, 0.2033, 0.3487

Triad

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



14.2063, 0.2618, 0.4354



14.2063, 0.2095, 0.2061



14.2063, 0.4730, 0.3553

Complementary

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



14.2063, 0.2618, 0.4354



5.0201, 0.4645, 0.2591

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.



14.2063, 0.4305, 0.2976



14.2063, 0.2618, 0.4354



14.2063, 0.2698, 0.2163

Square

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



14.2063, 0.2618, 0.4354



14.2063, 0.1778, 0.2221



14.2063, 0.3515, 0.2486



14.2063, 0.4635, 0.4147

Rectangle

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



14.2063, 0.2618, 0.4354



14.2063, 0.1810, 0.2928



14.2063, 0.3515, 0.2486



14.2063, 0.4644, 0.3355

Sweetspot

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



14.2069, 0.2618, 0.4354



29.3859, 0.2910, 0.3556



14.6447, 0.3377, 0.5431



6.8793, 0.2886, 0.3592



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.



14.2069, 0.2618, 0.4354



24.4615, 0.2631, 0.4637



13.4965, 0.2260, 0.3132



4.4855, 0.3045, 0.3381



15.1335, 0.2631, 0.4670



72.0158, 0.2652, 0.4747

Inverse Universe

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



5.0201, 0.4645, 0.2591



7.5816, 0.5163, 0.2654



5.0115, 0.5670, 0.3388



4.0402, 0.3218, 0.3201



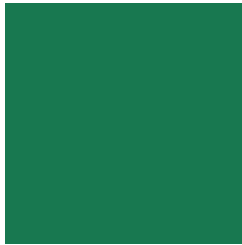
4.6051, 0.5229, 0.2654



21.8052, 0.5355, 0.2723

Previews

White Background



This preview shows how the Yxy color 14.2063, 0.2618, 0.4354 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 14.2063, 0.2618, 0.4354 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 14.2063, 0.2618, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 14.2063, 0.2618, 0.4354.



This preview shows how white text looks on a background with the Yxy color 14.2063, 0.2618, 0.4354.

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

14.2063, 0.2618, 0.4354

Protanopia

14.0949, 0.3681, 0.3971

Deuteranopia

14.0850, 0.3688, 0.3638



Tritanopia

14.3210, 0.2352, 0.3079

Trichromacy



Original Color

14.2063, 0.2618, 0.4354

Protanomaly

13.4230, 0.3153, 0.4120

Deuteranomaly

13.3281, 0.3139, 0.3888

Tritanomaly

14.2366, 0.2442, 0.3510

Monochromacy



Original Color

14.2063, 0.2618, 0.4354

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.6538, 0.2835, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2063, 0.2618, 0.4354 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(24, 120, 80)` looks like.

```
.text, #text, p{  
    color:rgb(24, 120, 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(24, 120, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 120, 80) }
```

Border

The CSS property to change the border of an element to Yxy 14.2063, 0.2618, 0.4354 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(24, 120, 80) }
```

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

```
.border{ border-color:rgb(24, 120, 80) }
```

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

Here you see how a box with a 4 pixel rgb(24, 120, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 120, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 120, 80);  
box-shadow:4px 4px 4px 4px rgb(24, 120,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2063, 0.2618, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 120, 80) }
```

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

```
.background{ background-color: rgb(24, 120,  
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](#).

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