

Converting Colors

$Yxy(30.1758, 0.2857, 0.4134)$

Have a look what the booklet for
Yxy(30.1758, 0.2857, 0.4134)
contains.

Yxy(30.0326, 0.2858, 0.4135)	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(30.0326, 0.2858, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	5AA476
RGB	90, 164, 118
RGB Percent	35%, 64%, 46%
CMY	0.6473, 0.3568, 0.5373
CMYK	0.45, 0.00, 0.28, 0.36
HSL	143°, 29%, 50%
HSV	143°, 45%, 64%
XYZ	20.7577, 30.0326, 21.8399
YIQ	136.6300, -29.3380, -29.9940

Conversions

Conversions Part 2

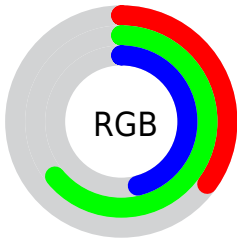
Format	Color
RYB	90, 144, 164
Decimal	5940342
CIELab	61.68, -33.73, 16.86
CIELCh	62, 37.712, 153.442
Yxy	30.0326, 0.2858, 0.4135
Android (android.graphics.Color)	4284130422 (0xFF5AA476)
YUV	136.6300, -9.1846, -40.8945
Hunter-Lab	54.8020, -28.2919, 14.7329

Details

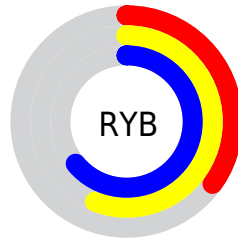
The Yxy color **30.0326, 0.2858, 0.4135** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.9739, 0.3562, 0.2583**, and the grayscale version is **24.9088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4946, 0.2924, 0.3946**, and **12.3931, 0.2751, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **29.0714, 0.2818, 0.4366**, and if you desaturate by 10%, it is **31.2039, 0.2909, 0.3917**.

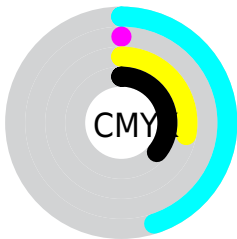
Distribution



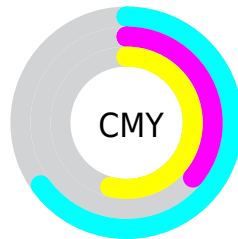
- Red (35%)
- Green (64%)
- Blue (46%)



- Red (35%)
- Yellow (56%)
- Blue (64%)



- Cyan (45%)
- Magenta (0%)
- Yellow (28%)
- Black (36%)




- Cyan (65%)
- Magenta (36%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0326, 0.2858, 0.4135 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 30.0326, 0.2858, 0.4135 by changing the saturation by 10% instead.

 30.0326, 0.2858,
0.4135

 30.0326, 0.2858,
0.4135


302.0564, 0.3013,
0.3659


 19.8633, 0.2810,
0.4275


 59.7137, 0.2920,
0.3947

 12.2957, 0.2743,
0.4470


 79.9944, 0.2942,
0.3882

 6.9454, 0.2641,
0.4757


 104.4143, 0.2960,
0.3828

 3.4280, 0.2469,
0.5222

 133.3578, 0.2974,
0.3783

 1.3590, 0.2035,
0.6815

167.2094, 0.2986,
0.3745

 0.1862, 0.0000,
1.0000

206.3534, 0.2997,

 0.0000, 0.0000,

0.3712

0.0000

251.1743, 0.3006,
0.3684

■ 30.0326, 0.2858,
0.4135

■ 30.0326, 0.2858,
0.4135

■ 29.0714, 0.2818,
0.4366

■ 31.2039, 0.2909,
0.3917

■ 28.3036, 0.2791,
0.4604

■ 32.5933, 0.2967,
0.3715

■ 27.7161, 0.2780,
0.4841


■ 34.2130, 0.3029,
0.3532


■ 27.2924, 0.2788,
0.5069


■ 36.0730, 0.3094,
0.3368

■ 27.0119, 0.2812,
0.5278

■ 38.1829, 0.3159,
0.3221

 26.9039, 0.2826,
0.5373

 40.5516, 0.3222,
0.3093

 43.1877, 0.3284,
0.2979

 46.0994, 0.3344,
0.2881

 49.2943, 0.3400,
0.2794

Harmonies

Analogous

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



30.0326, 0.3452, 0.4402



30.0326, 0.2858, 0.4135



30.0326, 0.2365, 0.3559

Triad

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



30.0326, 0.2858, 0.4135



30.0326, 0.2277, 0.2348



30.0326, 0.4290, 0.3447

Complementary

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



30.0326, 0.2858, 0.4135



16.9739, 0.3562, 0.2583

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.



30.0326, 0.3914, 0.2991



30.0326, 0.2858, 0.4135



30.0326, 0.2718, 0.2387

Square

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



30.0326, 0.2858, 0.4135



30.0326, 0.2061, 0.2532



30.0326, 0.3317, 0.2617



30.0326, 0.4307, 0.3910

Rectangle

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



30.0326, 0.2858, 0.4135



30.0326, 0.2153, 0.3142



30.0326, 0.3317, 0.2617



30.0326, 0.4201, 0.3291

Sweetspot

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



30.0338, 0.2858, 0.4135



62.3768, 0.3035, 0.3517



32.5983, 0.3499, 0.4489



13.4954, 0.3022, 0.3552



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.0338, 0.2858, 0.4135



52.7838, 0.2818, 0.4362



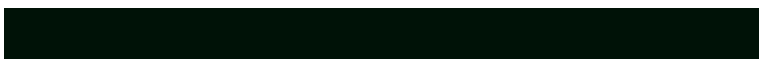
31.0636, 0.2598, 0.3459



7.9374, 0.3067, 0.3433



20.6341, 0.2821, 0.5355



0.4426, 0.2614, 0.4611

Inverse Universe

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



16.9739, 0.3562, 0.2583



26.0790, 0.3700, 0.2443



16.1140, 0.4138, 0.3137



7.1565, 0.3192, 0.3151



6.7951, 0.4425, 0.2211



0.1515, 0.3886, 0.1914

Previews

White Background



This preview shows how the Yxy color 30.0326, 0.2858, 0.4135 looks on a white 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

Black Background



This preview shows how the Yxy color 30.0326, 0.2858, 0.4135 looks on a black 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 ✓ Pass

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

Yxy 30.0326, 0.2858, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 30.0326, 0.2858, 0.4135.



This preview shows how white text looks on a background with the Yxy color 30.0326, 0.2858, 0.4135.

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

30.0326, 0.2858, 0.4135

Protanopia

29.6984, 0.3616, 0.3869

Deuteranopia

29.4340, 0.3650, 0.3576



Tritanopia

29.8410, 0.2553, 0.3073

Trichromacy



Original Color

30.0326, 0.2858, 0.4135

Protanomaly

29.3944, 0.3295, 0.3966

Deuteranomaly

28.9440, 0.3323, 0.3769

Tritanomaly

29.9726, 0.2666, 0.3445

Monochromacy



Original Color

30.0326, 0.2858, 0.4135

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4722, 0.3012, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0326, 0.2858, 0.4135 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(90, 164, 118)` looks like.

```
.text, #text, p{  
    color:rgb(90, 164, 118)  
}
```

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(90, 164, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 164, 118) }
```

Border

The CSS property to change the border of an element to Yxy 30.0326, 0.2858, 0.4135 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(90, 164, 118) }
```

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

```
.border{ border-color:rgb(90, 164, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 164, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 164, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 164, 118);  
box-shadow:4px 4px 4px 4px rgb(90, 164,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0326, 0.2858, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 164, 118) }
```

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

```
.background{ background-color: rgb(90, 164,  
118) }
```

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