

Converting Colors

$Yxy(30.3422, 0.2573, 0.3755)$

Have a look what the booklet for
Yxy(30.3422, 0.2573, 0.3755)
contains.

Yxy(30.4311, 0.2576, 0.3764)	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(30.4311, 0.2576, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	45A68C
RGB	69, 166, 140
RGB Percent	27%, 65%, 55%
CMY	0.7293, 0.3490, 0.4509
CMYK	0.58, 0.00, 0.16, 0.35
HSL	164°, 41%, 46%
HSV	164°, 58%, 65%
XYZ	20.8264, 30.4311, 29.5903
YIQ	134.0330, -49.4660, -28.6500

Conversions

Conversions Part 2

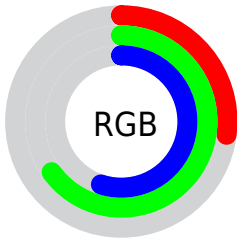
Format	Color
RYB	69, 125, 166
Decimal	4564620
CIELab	62.02, -34.88, 4.98
CIElCh	62, 35.230, 171.877
Yxy	30.4311, 0.2576, 0.3764
Android (android.graphics.Color)	4282754700 (0xFF45A68C)
YUV	134.0330, 2.9417, -57.0339
Hunter-Lab	55.1644, -29.1480, 6.8118

Details

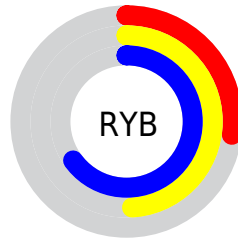
The Yxy color **30.4311, 0.2576, 0.3764** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.1944, 0.4384, 0.2903**, and the grayscale version is **23.8597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5732, 0.2688, 0.3662**, and **12.5484, 0.2423, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **29.7788, 0.2527, 0.3862**, and if you desaturate by 10%, it is **31.2609, 0.2642, 0.3670**.

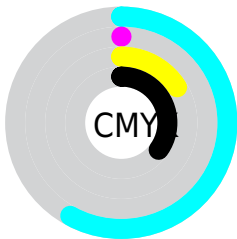
Distribution



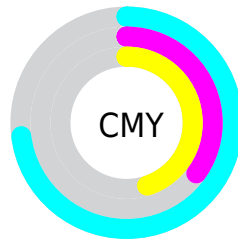
- Red (27%)
- Green (65%)
- Blue (55%)



- Red (27%)
- Yellow (49%)
- Blue (65%)



- Cyan (58%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)





- Cyan (73%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4311, 0.2576, 0.3764 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 30.4311, 0.2576, 0.3764 by changing the saturation by 10% instead.


 30.4311, 0.2576,
0.3764


 30.4311, 0.2576,
0.3764


303.9088, 0.2873,
0.3505

 20.1660, 0.2494,
0.3837


 60.3433, 0.2689,
0.3664


 12.5158, 0.2385,
0.3937


 80.7592, 0.2730,
0.3628


 7.0960, 0.2230,
0.4081


 105.3275, 0.2764,
0.3598

 3.5222, 0.1996,
0.4305

 134.4326, 0.2793,
0.3574

 1.4101, 0.1412,
0.4809

 168.4588, 0.2817,
0.3553

 0.2241, 0.0000,
1.0000

207.7907, 0.2838,

 0.0000, 0.0000,

0.3534

0.0000

252.8126, 0.2856,
0.3519

■ 30.4311, 0.2576,
0.3764

■ 30.4311, 0.2576,
0.3764

■ 29.7788, 0.2527,
0.3862

■ 31.2609, 0.2642,
0.3670

■ 29.2858, 0.2497,
0.3961

■ 32.2777, 0.2724,
0.3580

■ 28.9363, 0.2486,
0.4060

■ 33.4942, 0.2818,
0.3495

■ 28.6994, 0.2492,
0.4159

■ 34.9212, 0.2921,
0.3417

■ 28.6649, 0.2493,
0.4175

■ 36.5687, 0.3031,
0.3345

■ 38.4460, 0.3146,
0.3280

■ 40.5619, 0.3262,
0.3222

■ 42.9247, 0.3378,
0.3170

■ 45.5423, 0.3493,
0.3124

Harmonies

Analogous

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



30.4311, 0.3091, 0.4209



30.4311, 0.2576, 0.3764



30.4311, 0.2228, 0.3186

Triad

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



30.4311, 0.2576, 0.3764



30.4311, 0.2565, 0.2405



30.4311, 0.4261, 0.3715

Complementary

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



30.4311, 0.2576, 0.3764



13.1944, 0.4384, 0.2903

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.



30.4311, 0.4109, 0.3273



30.4311, 0.2576, 0.3764



30.4311, 0.3081, 0.2556

Square

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



30.4311, 0.2576, 0.3764



30.4311, 0.2226, 0.2449



30.4311, 0.3659, 0.2864



30.4311, 0.4078, 0.4105

Rectangle

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



30.4311, 0.2576, 0.3764



30.4311, 0.2122, 0.2849



30.4311, 0.3659, 0.2864



30.4311, 0.4249, 0.3568

Sweetspot

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



30.4323, 0.2576, 0.3764



63.4010, 0.2922, 0.3416



30.2167, 0.3252, 0.5016



14.0155, 0.2892, 0.3438



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.4323, 0.2576, 0.3764



53.7594, 0.2516, 0.3890



24.2676, 0.2332, 0.2908



8.4972, 0.3021, 0.3351



22.2367, 0.2490, 0.4166



0.5488, 0.2400, 0.3840

Inverse Universe

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



13.1944, 0.4384, 0.2903



19.5311, 0.4846, 0.2867



15.8571, 0.4657, 0.3609



7.5741, 0.3245, 0.3230



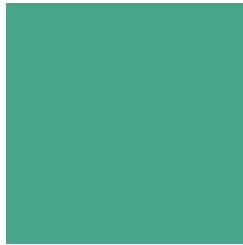
6.4374, 0.5830, 0.2985



0.1649, 0.4925, 0.2487

Previews

White Background



This preview shows how the Yxy color 30.4311, 0.2576, 0.3764 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.4311, 0.2576, 0.3764 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 30.4311, 0.2576, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 30.4311, 0.2576, 0.3764.



This preview shows how white text looks on a background with the Yxy color 30.4311, 0.2576, 0.3764.

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

30.4311, 0.2576, 0.3764

Protanopia

29.8864, 0.3379, 0.3557

Deuteranopia

29.9902, 0.3342, 0.3276



Tritanopia

30.2951, 0.2409, 0.3069

Trichromacy



Original Color

30.4311, 0.2576, 0.3764



Protanomaly

29.4490, 0.3014, 0.3647



Deuteranomaly

29.1855, 0.2992, 0.3439



Tritanomaly

30.3808, 0.2468, 0.3305

Monochromacy



Original Color

30.4311, 0.2576, 0.3764



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

25.6503, 0.2861, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4311, 0.2576, 0.3764 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(69, 166, 140)` looks like.

```
.text, #text, p{  
    color:rgb(69, 166, 140)  
}
```

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(69, 166, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 166, 140) }
```

Border

The CSS property to change the border of an element to Yxy 30.4311, 0.2576, 0.3764 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(69, 166, 140) }
```

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

```
.border{ border-color:rgb(69, 166, 140) }
```

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

Here you see how a box with a 4 pixel rgb(69, 166, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 166, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 166, 140);  
box-shadow:4px 4px 4px 4px rgb(69, 166,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4311, 0.2576, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 166, 140) }
```

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

```
.background{ background-color: rgb(69, 166,  
140) }
```

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