

Converting Colors

$Y_{xy}(29.8575, 0.2791, 0.3811)$

Have a look what the booklet for
Yxy(29.8575, 0.2791, 0.3811)
contains.

Yxy(30.0209, 0.2788, 0.3809)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0209, 0.2788, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	60A285
RGB	96, 162, 133
RGB Percent	38%, 64%, 52%
CMY	0.6237, 0.3647, 0.4785
CMYK	0.41, 0.00, 0.18, 0.36
HSL	154°, 26%, 51%
HSV	154°, 41%, 64%
XYZ	21.9738, 30.0209, 26.8210
YIQ	138.9600, -30.0270, -23.0110

Conversions

Conversions Part 2

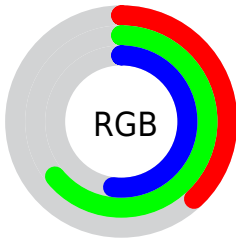
Format	Color
RYB	96, 138, 162
Decimal	6333061
CIELab	61.67, -27.92, 8.55
CIElCh	62, 29.199, 162.983
Yxy	30.0209, 0.2788, 0.3809
Android (android.graphics.Color)	4284523141 (0xFF60A285)
YUV	138.9600, -2.9383, -37.6759
Hunter-Lab	54.7913, -24.2982, 9.3308

Details

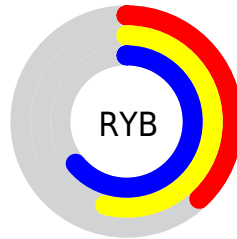
The Yxy color **30.0209, 0.2788, 0.3809** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.5216, 0.3682, 0.2831**, and the grayscale version is **25.8195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5604, 0.2859, 0.3696**, and **12.3119, 0.2670, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **29.0423, 0.2726, 0.3964**, and if you desaturate by 10%, it is **31.1963, 0.2862, 0.3664**.

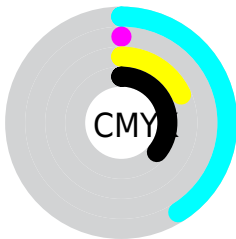
Distribution



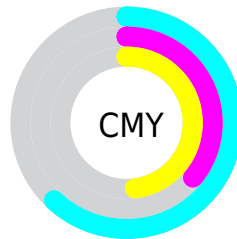
- Red (38%)
- Green (64%)
- Blue (52%)



- Red (38%)
- Yellow (54%)
- Blue (64%)



- Cyan (41%)
- Magenta (0%)
- Yellow (18%)
- Black (36%)





- Cyan (62%)
- Magenta (36%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0209, 0.2788, 0.3809 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 30.0209, 0.2788, 0.3809 by changing the saturation by 10% instead.

 30.0209, 0.2788,
0.3809


 30.0209, 0.2788,
0.3809


302.0019, 0.2974,
0.3522


 19.8545, 0.2735,
0.3892


 59.6952, 0.2860,
0.3697

 12.2893, 0.2663,
0.4006


 79.9719, 0.2886,
0.3657

 6.9410, 0.2559,
0.4173


 104.3874, 0.2907,
0.3625

 3.4252, 0.2395,
0.4439

 133.3262, 0.2925,
0.3597

 1.3576, 0.2014,
0.5003

167.1727, 0.2940,
0.3574

 0.1851, 0.0000,
1.0000

206.3112, 0.2953,

 0.0000, 0.0000,

0.3554

0.0000

251.1261, 0.2964,
0.3537

■ 30.0209, 0.2788,
0.3809

■ 30.0209, 0.2788,
0.3809

■ 29.0423, 0.2726,
0.3964

■ 31.1963, 0.2862,
0.3664

■ 28.2455, 0.2678,
0.4128

■ 32.5754, 0.2943,
0.3530

■ 27.6188, 0.2647,
0.4296


■ 34.1692, 0.3030,
0.3408

■ 27.1479, 0.2635,
0.4466

■ 35.9867, 0.3120,
0.3298


■ 26.8159, 0.2642,
0.4633


■ 38.0365, 0.3211,
0.3200

 26.5965, 0.2662,
0.4783

 40.3267, 0.3301,
0.3113

 42.8650, 0.3390,
0.3036

 45.6588, 0.3475,
0.2969

 48.7151, 0.3557,
0.2910

Harmonies

Analogous

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



30.0209, 0.3245, 0.4103



30.0209, 0.2788, 0.3809



30.0209, 0.2439, 0.3350

Triad

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



30.0209, 0.2788, 0.3809



30.0209, 0.2552, 0.2533



30.0209, 0.4063, 0.3551

Complementary

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



30.0209, 0.2788, 0.3809



17.5216, 0.3682, 0.2831

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.



30.0209, 0.3853, 0.3174



30.0209, 0.2788, 0.3809



30.0209, 0.2953, 0.2613

Square

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



30.0209, 0.2788, 0.3809



30.0209, 0.2314, 0.2631



30.0209, 0.3434, 0.2841



30.0209, 0.3997, 0.3899

Rectangle

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



30.0209, 0.2788, 0.3809



30.0209, 0.2306, 0.3048



30.0209, 0.3434, 0.2841



30.0209, 0.4023, 0.3425

Sweetspot

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



30.0221, 0.2788, 0.3809



61.5759, 0.3017, 0.3425



31.0998, 0.3346, 0.4411



13.7471, 0.3007, 0.3439



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.



30.0221, 0.2788, 0.3809



52.8526, 0.2730, 0.3951



29.7897, 0.2570, 0.3232



7.9584, 0.3044, 0.3391



20.9592, 0.2658, 0.4769



0.4497, 0.2492, 0.4170

Inverse Universe

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



17.5216, 0.3682, 0.2831



26.9749, 0.3869, 0.2732



17.5001, 0.4111, 0.3346



7.1353, 0.3219, 0.3192



6.4203, 0.5171, 0.2622



0.1443, 0.4311, 0.2149

Previews

White Background



This preview shows how the Yxy color 30.0209, 0.2788, 0.3809 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 30.0209, 0.2788, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

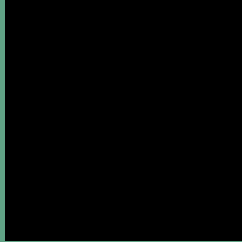
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0209, 0.2788, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 30.0209, 0.2788, 0.3809.

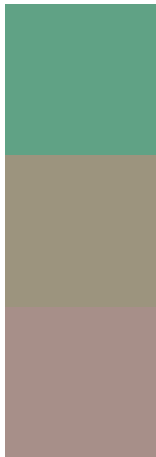


This preview shows how white text looks on a background with the Yxy color 30.0209, 0.2788, 0.3809.

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

30.0209, 0.2788, 0.3809

Protanopia

29.7541, 0.3430, 0.3636

Deuteranopia

29.6666, 0.3451, 0.3381



Tritanopia

30.0195, 0.2574, 0.3074

Trichromacy



Original Color

30.0209, 0.2788, 0.3809

Protanomaly

29.4358, 0.3158, 0.3691

Deuteranomaly

29.2530, 0.3168, 0.3519

Tritanomaly

30.0554, 0.2649, 0.3323

Monochromacy



Original Color

30.0209, 0.2788, 0.3809

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.8845, 0.2978, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0209, 0.2788, 0.3809 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(96, 162, 133)` looks like.

```
.text, #text, p{  
    color:rgb(96, 162, 133)  
}
```

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(96, 162, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 162, 133) }
```

Border

The CSS property to change the border of an element to Yxy 30.0209, 0.2788, 0.3809 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(96, 162, 133) }
```

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

```
.border{ border-color:rgb(96, 162, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 162, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 162, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 162, 133);  
box-shadow:4px 4px 4px 4px rgb(96, 162,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0209, 0.2788, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 162, 133) }
```

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

```
.background{ background-color: rgb(96, 162,  
133) }
```

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