

Converting Colors

$Y_{xy}(20.2301, 0.2995, 0.3602)$

Have a look what the booklet for
Yxy(20.2301, 0.2995, 0.3602)
contains.

Yxy(20.1461, 0.2989, 0.3588)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1461, 0.2989, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	688273
RGB	104, 130, 115
RGB Percent	41%, 51%, 45%
CMY	0.5923, 0.4902, 0.5491
CMYK	0.20, 0.00, 0.12, 0.49
HSL	145°, 11%, 46%
HSV	145°, 20%, 51%
XYZ	16.7828, 20.1461, 19.2196
YIQ	120.5160, -10.6810, -10.1770

Conversions

Conversions Part 2

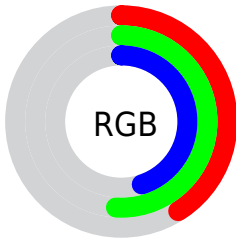
Format	Color
RYB	104, 122, 130
Decimal	6849139
CIELab	52.00, -12.60, 5.05
CIELCh	52, 13.579, 158.151
Yxy	20.1461, 0.2989, 0.3588
Android (android.graphics.Color)	4285039219 (0xFF688273)
YUV	120.5160, -2.7194, -14.4845
Hunter-Lab	44.8844, -11.8045, 6.0309

Details

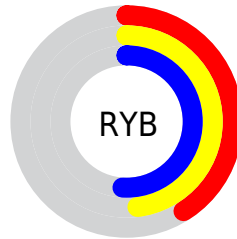
The Yxy color **20.1461, 0.2989, 0.3588** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.9731, 0.3295, 0.3010**, and the grayscale version is **18.9663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6256, 0.3017, 0.3517**, and **7.1309, 0.2923, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **19.2625, 0.2924, 0.3761**, and if you desaturate by 10%, it is **21.1653, 0.3057, 0.3431**.

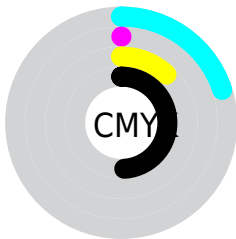
Distribution



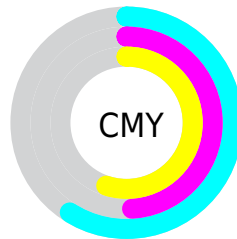
- Red (41%)
- Green (51%)
- Blue (45%)



- Red (41%)
- Yellow (48%)
- Blue (51%)



- Cyan (20%)
- Magenta (0%)
- Yellow (12%)
- Black (49%)



- Cyan (59%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1461, 0.2989, 0.3588 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 20.1461, 0.2989, 0.3588 by changing the saturation by 10% instead.

■ 20.1461, 0.2989,
0.3588

■ 20.1461, 0.2989,
0.3588

■ 252.7049, 0.3069,
0.3415

■ 12.5013, 0.2964,
0.3642

■ 43.6620, 0.3021,
0.3518

■ 7.0860, 0.2928,
0.3720

■ 60.3019, 0.3033,
0.3494

■ 3.5160, 0.2871,
0.3841

■ 80.7089, 0.3042,
0.3475

■ 1.4067, 0.2771,
0.4058

■ 105.2674, 0.3049,
0.3459

■ 0.2216, 0.0000,
1.0000

■ 134.3619, 0.3055,
0.3445

■ 0.0000, 0.0000,
0.0000

168.3767, 0.3061,

0.3434

207.6963, 0.3065,
0.3424

■ 20.1461, 0.2989,
0.3588

■ 20.1461, 0.2989,
0.3588

■ 19.2625, 0.2924,
0.3761

■ 21.1653, 0.3057,
0.3431

■ 18.5063, 0.2865,
0.3950

■ 22.3232, 0.3127,
0.3290

■ 17.8721, 0.2815,
0.4153

■ 23.6256, 0.3196,
0.3165

■ 17.3529, 0.2777,
0.4366

■ 25.0776, 0.3265,
0.3055

■ 16.9415, 0.2753,
0.4583

■ 26.6836, 0.3331,
0.2958

■ 16.6293, 0.2746,
0.4800

■ 28.4482, 0.3394,
0.2873

■ 16.4066, 0.2757,
0.5009

■ 30.3755, 0.3455,
0.2798

■ 16.2440, 0.2779,
0.5205

■ 32.4698, 0.3512,
0.2733

■ 34.7350, 0.3566,
0.2676

Harmonies

Analogous

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



20.1461, 0.3240, 0.3719



20.1461, 0.2989, 0.3588



20.1461, 0.2781, 0.3368

Triad

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



20.1461, 0.2989, 0.3588



20.1461, 0.2788, 0.2876



20.1461, 0.3612, 0.3413

Complementary

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



20.1461, 0.2989, 0.3588



15.9731, 0.3295, 0.3010

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.



20.1461, 0.3481, 0.3202



20.1461, 0.2989, 0.3588



20.1461, 0.2999, 0.2900

Square

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



20.1461, 0.2989, 0.3588



20.1461, 0.2668, 0.2957



20.1461, 0.3254, 0.3017



20.1461, 0.3606, 0.3604

Rectangle

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



20.1461, 0.2989, 0.3588



20.1461, 0.2692, 0.3209



20.1461, 0.3254, 0.3017



20.1461, 0.3582, 0.3343

Sweetspot

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



20.1469, 0.2989, 0.3588



38.0313, 0.3084, 0.3374



20.9003, 0.3282, 0.3788



8.5850, 0.3081, 0.3382



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.1469, 0.2989, 0.3588



34.7425, 0.2959, 0.3664



20.4637, 0.2861, 0.3331



4.8466, 0.3064, 0.3417



15.5740, 0.2778, 0.5201



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.9731, 0.3295, 0.3010



26.0134, 0.3341, 0.2944



15.6849, 0.3473, 0.3250



4.3826, 0.3196, 0.3166



5.0390, 0.4582, 0.2298



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.1461, 0.2989, 0.3588 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 20.1461, 0.2989, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

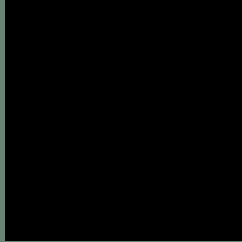
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1461, 0.2989, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 20.1461, 0.2989, 0.3588.



This preview shows how white text looks on a background with the Yxy color 20.1461, 0.2989, 0.3588.

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

20.1461, 0.2989, 0.3588

Protanopia

19.9807, 0.3341, 0.3513

Deuteranopia

19.8813, 0.3395, 0.3326



Tritanopia

20.1730, 0.2811, 0.3101

Trichromacy



Original Color

20.1461, 0.2989, 0.3588

Protanomaly

20.0846, 0.3211, 0.3557

Deuteranomaly

19.8625, 0.3245, 0.3421

Tritanomaly

20.1491, 0.2880, 0.3270

Monochromacy



Original Color

20.1461, 0.2989, 0.3588

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.3921, 0.3075, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1461, 0.2989, 0.3588 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(104, 130, 115)` looks like.

```
.text, #text, p{  
    color:rgb(104, 130, 115)  
}
```

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(104, 130, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 130, 115) }
```

Border

The CSS property to change the border of an element to Yxy 20.1461, 0.2989, 0.3588 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(104, 130, 115) }
```

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

```
.border{ border-color:rgb(104, 130, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 130, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 130, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 130, 115);  
box-shadow:4px 4px 4px 4px rgb(104, 130,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1461, 0.2989, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 130, 115) }
```

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

```
.background{ background-color: rgb(104,  
130, 115) }
```

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