

Converting Colors

$Y_{xy}(20.3628, 0.2967, 0.3608)$

Have a look what the booklet for
Yxy(20.3628, 0.2967, 0.3608)
contains.

Yxy(20.2952, 0.2968, 0.3608)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(20.2952, 0.2968, 0.3608)$

Conversions

Conversions Part 1

Format	Color
Hex	668373
RGB	102, 131, 115
RGB Percent	40%, 51%, 45%
CMY	0.5998, 0.4863, 0.5490
CMYK	0.22, 0.00, 0.12, 0.49
HSL	147°, 12%, 46%
HSV	147°, 22%, 51%
XYZ	16.6952, 20.2952, 19.2602
YIQ	120.5050, -12.1480, -11.1240

Conversions

Conversions Part 2

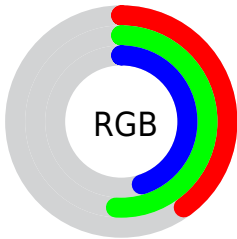
Format	Color
RYB	102, 122, 131
Decimal	6718323
CIELab	52.17, -13.81, 5.26
CIELCh	52, 14.783, 159.143
Yxy	20.2952, 0.2968, 0.3608
Android (android.graphics.Color)	4284908403 (0xFF668373)
YUV	120.5050, -2.7140, -16.2289
Hunter-Lab	45.0502, -12.6875, 6.1870

Details

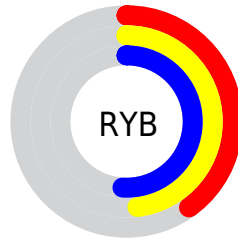
The Yxy color **20.2952, 0.2968, 0.3608** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.6465, 0.3325, 0.2992**, and the grayscale version is **18.9682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8433, 0.3000, 0.3531**, and **7.2241, 0.2893, 0.3765** is the 20% darker color. If you saturate the color by 10%, you get **19.4297, 0.2901, 0.3777**, and if you desaturate by 10%, it is **21.2965, 0.3039, 0.3455**.

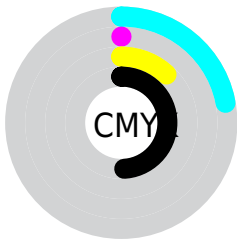
Distribution



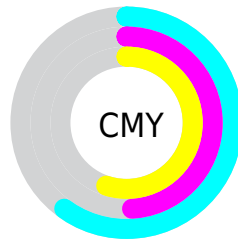
- Red (40%)
- Green (51%)
- Blue (45%)



- Red (40%)
- Yellow (48%)
- Blue (51%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (49%)



- Cyan (60%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2952, 0.2968, 0.3608 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 20.2952, 0.2968, 0.3608 by changing the saturation by 10% instead.

■ 20.2952, 0.2968,
0.3608

■ 20.2952, 0.2968,
0.3608

■ 253.5088, 0.3060,
0.3424

■ 12.6098, 0.2939,
0.3666

■ 43.9116, 0.3005,
0.3533

■ 7.1604, 0.2898,
0.3748

■ 60.6113, 0.3018,
0.3508

■ 3.5626, 0.2833,
0.3878

■ 81.0846, 0.3028,
0.3487

■ 1.4320, 0.2719,
0.4110

■ 105.7159, 0.3037,
0.3470

■ 0.2402, 0.0000,
1.0000

■ 134.8896, 0.3044,
0.3456

■ 0.0000, 0.0000,
0.0000

168.9900, 0.3050,

0.3443

208.4016, 0.3056,
0.3433

■ 20.2952, 0.2968,
0.3608

■ 20.2952, 0.2968,
0.3608

■ 19.4297, 0.2901,
0.3777

■ 21.2965, 0.3039,
0.3455

■ 18.6913, 0.2841,
0.3960

■ 22.4365, 0.3112,
0.3317

■ 18.0747, 0.2791,
0.4156

■ 23.7214, 0.3185,
0.3194

■ 17.5727, 0.2754,
0.4361

■ 25.1562, 0.3257,
0.3085

■ 17.1775, 0.2732,
0.4570

■ 26.7456, 0.3327,
0.2990

■ 16.8805, 0.2727,
0.4778

■ 28.4941, 0.3395,
0.2906

■ 16.6714, 0.2741,
0.4978

■ 30.4061, 0.3460,
0.2832

■ 16.5423, 0.2758,
0.5129

■ 32.4857, 0.3521,
0.2767

■ 34.7369, 0.3579,
0.2711

Harmonies

Analogous

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



20.2952, 0.3240, 0.3755



20.2952, 0.2968, 0.3608



20.2952, 0.2746, 0.3366

Triad

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



20.2952, 0.2968, 0.3608



20.2952, 0.2765, 0.2841



20.2952, 0.3657, 0.3430

Complementary

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



20.2952, 0.2968, 0.3608



15.6465, 0.3325, 0.2992

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.



20.2952, 0.3519, 0.3201



20.2952, 0.2968, 0.3608



20.2952, 0.2997, 0.2871

Square

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



20.2952, 0.2968, 0.3608



20.2952, 0.2632, 0.2924



20.2952, 0.3273, 0.3001



20.2952, 0.3644, 0.3635

Rectangle

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



20.2952, 0.2968, 0.3608



20.2952, 0.2652, 0.3193



20.2952, 0.3273, 0.3001



20.2952, 0.3626, 0.3353

Sweetspot

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



20.2960, 0.2968, 0.3608



39.1182, 0.3075, 0.3385



21.0737, 0.3292, 0.3844



9.0857, 0.3071, 0.3391



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.2960, 0.2968, 0.3608



35.4641, 0.2930, 0.3700



20.6446, 0.2831, 0.3327



5.2368, 0.3060, 0.3412



16.2865, 0.2758, 0.5128



0.0579, 0.2533, 0.4319

Inverse Universe

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



15.6465, 0.3325, 0.2992



25.4459, 0.3388, 0.2914



15.3369, 0.3525, 0.3254



4.7285, 0.3200, 0.3171



5.2152, 0.4685, 0.2354



0.0195, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 20.2952, 0.2968, 0.3608 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 20.2952, 0.2968, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

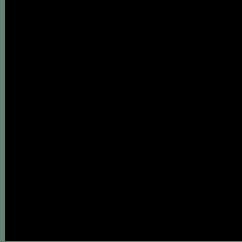
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2952, 0.2968, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 20.2952, 0.2968, 0.3608.



This preview shows how white text looks on a background with the Yxy color 20.2952, 0.2968, 0.3608.

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

20.2952, 0.2968, 0.3608

Protanopia

20.2301, 0.3339, 0.3531

Deuteranopia

20.2063, 0.3405, 0.3344



Tritanopia

20.3375, 0.2782, 0.3100

Trichromacy



Original Color

20.2952, 0.2968, 0.3608

Protanomaly

20.2705, 0.3197, 0.3576

Deuteranomaly

20.1119, 0.3243, 0.3439

Tritanomaly

20.3155, 0.2850, 0.3270

Monochromacy



Original Color

20.2952, 0.2968, 0.3608

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5765, 0.3062, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2952, 0.2968, 0.3608 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(102, 131, 115)` looks like.

```
.text, #text, p{  
    color:rgb(102, 131, 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(102, 131, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 131, 115) }
```

Border

The CSS property to change the border of an element to Yxy 20.2952, 0.2968, 0.3608 is called "border". The border property can be set on classes, ids or directly on the HTML element.

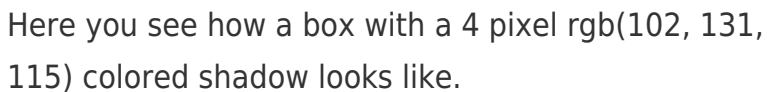
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 131, 115) }
```

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

```
.border{ border-color:rgb(102, 131, 115) }
```

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



Here you see how a box with a 4 pixel rgb(102, 131, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 131, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 131, 115);  
box-shadow:4px 4px 4px 4px rgb(102, 131,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2952, 0.2968, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 131, 115) }
```

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

```
.background{ background-color: rgb(102,  
131, 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](#).

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