

Converting Colors

$Y_{xy}(20.1064, 0.2966, 0.3570)$

Have a look what the booklet for
Yxy(20.1064, 0.2966, 0.3570)
contains.

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Color

$\text{Yxy}(20.1098, 0.2968, 0.3568)$

Conversions

Conversions Part 1

Format	Color
Hex	678274
RGB	103, 130, 116
RGB Percent	40%, 51%, 45%
CMY	0.5961, 0.4902, 0.5451
CMYK	0.21, 0.00, 0.11, 0.49
HSL	149°, 12%, 46%
HSV	149°, 21%, 51%
XYZ	16.7281, 20.1098, 19.5236
YIQ	120.3310, -11.5980, -10.0780

Conversions

Conversions Part 2

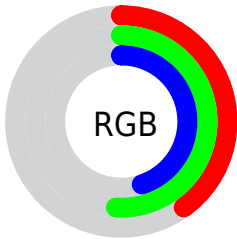
Format	Color
RYB	103, 121, 130
Decimal	6783604
CIELab	51.96, -12.73, 4.39
CIELCh	52, 13.470, 160.958
Yxy	20.1098, 0.2968, 0.3568
Android (android.graphics.Color)	4284973684 (0xFF678274)
YUV	120.3310, -2.1352, -15.1993
Hunter-Lab	44.8440, -11.8912, 5.5778

Details

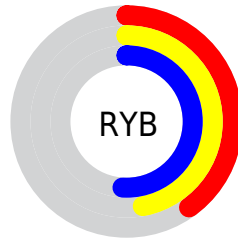
The Yxy color **20.1098, 0.2968, 0.3568** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.7298, 0.3324, 0.3028**, and the grayscale version is **18.9038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5642, 0.3001, 0.3503**, and **7.1144, 0.2893, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **19.2496, 0.2897, 0.3724**, and if you desaturate by 10%, it is **21.1026, 0.3044, 0.3427**.

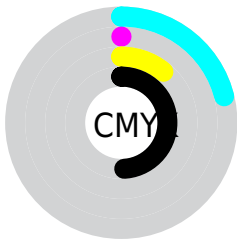
Distribution



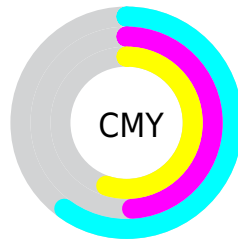
- Red (40%)
- Green (51%)
- Blue (45%)



- Red (40%)
- Yellow (47%)
- Blue (51%)



- Cyan (21%)
- Magenta (0%)
- Yellow (11%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1098, 0.2968, 0.3568 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 20.1098, 0.2968, 0.3568 by changing the saturation by 10% instead.

■ 20.1098, 0.2968,
0.3568

■ 20.1098, 0.2968,
0.3568

■ 252.5089, 0.3060,
0.3407

■ 12.4749, 0.2939,
0.3618

■ 43.6012, 0.3005,
0.3503

■ 7.0680, 0.2899,
0.3690

■ 60.2265, 0.3018,
0.3481

■ 3.5046, 0.2835,
0.3803

■ 80.6173, 0.3028,
0.3463

■ 1.4005, 0.2723,
0.4004

■ 105.1581, 0.3037,
0.3448

■ 0.2171, 0.0000,
1.0000

■ 134.2333, 0.3044,
0.3435

■ 0.0000, 0.0000,
0.0000

168.2272, 0.3050,

0.3424

207.5243, 0.3055,
0.3415

■ 20.1098, 0.2968,
0.3568

■ 20.1098, 0.2968,
0.3568

■ 19.2496, 0.2897,
0.3724

■ 21.1026, 0.3044,
0.3427

■ 18.5137, 0.2832,
0.3893

■ 22.2309, 0.3121,
0.3299

■ 17.8967, 0.2777,
0.4075

■ 23.5006, 0.3199,
0.3186

■ 17.3921, 0.2735,
0.4265

■ 24.9165, 0.3276,
0.3085

■ 16.9922, 0.2709,
0.4461

■ 26.4831, 0.3351,
0.2997

■ 16.6888, 0.2700,
0.4657

■ 28.2049, 0.3423,
0.2919

■ 16.4720, 0.2709,
0.4849

■ 30.0860, 0.3492,
0.2851

■ 16.3210, 0.2727,
0.5019

■ 32.1305, 0.3558,
0.2791

■ 34.3423, 0.3621,
0.2739

Harmonies

Analogous

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



20.1098, 0.3216, 0.3709



20.1098, 0.2968, 0.3568



20.1098, 0.2768, 0.3345

Triad

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



20.1098, 0.2968, 0.3568



20.1098, 0.2806, 0.2877



20.1098, 0.3614, 0.3432

Complementary

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



20.1098, 0.2968, 0.3568



15.7298, 0.3324, 0.3028

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.



20.1098, 0.3496, 0.3222



20.1098, 0.2968, 0.3568



20.1098, 0.3023, 0.2910

Square

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



20.1098, 0.2968, 0.3568



20.1098, 0.2678, 0.2948



20.1098, 0.3276, 0.3034



20.1098, 0.3595, 0.3617

Rectangle

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



20.1098, 0.2968, 0.3568



20.1098, 0.2686, 0.3189



20.1098, 0.3276, 0.3034



20.1098, 0.3589, 0.3362

Sweetspot

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



20.1106, 0.2968, 0.3568



38.0525, 0.3079, 0.3366



20.7552, 0.3271, 0.3810



8.5902, 0.3075, 0.3372



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.



20.1106, 0.2968, 0.3568



34.6595, 0.2933, 0.3641



20.4373, 0.2839, 0.3307



4.8506, 0.3057, 0.3404



15.6496, 0.2727, 0.5016



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.7298, 0.3324, 0.3028



25.4763, 0.3380, 0.2964



15.4429, 0.3509, 0.3274



4.3786, 0.3204, 0.3179



4.9449, 0.4819, 0.2428



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.1098, 0.2968, 0.3568 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 20.1098, 0.2968, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

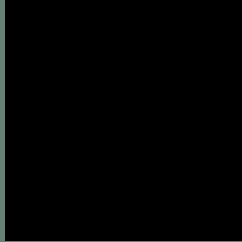
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

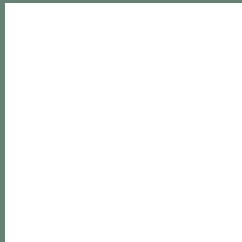
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1098, 0.2968, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 20.1098, 0.2968, 0.3568.



This preview shows how white text looks on a background with the Yxy color 20.1098, 0.2968, 0.3568.

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

20.1098, 0.2968, 0.3568

Protanopia

19.9250, 0.3317, 0.3495

Deuteranopia

19.9049, 0.3382, 0.3309



Tritanopia

20.1107, 0.2801, 0.3100

Trichromacy



Original Color

20.1098, 0.2968, 0.3568

Protanomaly

20.0359, 0.3188, 0.3538

Deuteranomaly

19.8102, 0.3220, 0.3402

Tritanomaly

20.0875, 0.2869, 0.3270

Monochromacy



Original Color

20.1098, 0.2968, 0.3568

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.3246, 0.3063, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1098, 0.2968, 0.3568 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(103, 130, 116)` looks like.

```
.text, #text, p{  
    color:rgb(103, 130, 116)  
}
```

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(103, 130, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 130, 116) }
```

Border

The CSS property to change the border of an element to Yxy 20.1098, 0.2968, 0.3568 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(103, 130, 116) }
```

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

```
.border{ border-color:rgb(103, 130, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 130, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 130, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 130, 116);  
box-shadow:4px 4px 4px 4px rgb(103, 130,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1098, 0.2968, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 130, 116) }
```

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

```
.background{ background-color: rgb(103,  
130, 116) }
```

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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