

Converting Colors

$Y_{xy}(20.2934, 0.2961, 0.3579)$

Have a look what the booklet for
Yxy(20.2934, 0.2961, 0.3579)
contains.

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Color

$Y_{xy}(20.3771, 0.2968, 0.3587)$

Conversions

Conversions Part 1

Format	Color
Hex	678374
RGB	103, 131, 116
RGB Percent	40%, 51%, 45%
CMY	0.5962, 0.4862, 0.5451
CMYK	0.21, 0.00, 0.11, 0.49
HSL	148°, 12%, 46%
HSV	148°, 21%, 51%
XYZ	16.8607, 20.3771, 19.5704
YIQ	120.9180, -11.8730, -10.6010

Conversions

Conversions Part 2

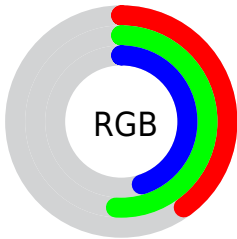
Format	Color
R_{YB}	103, 122, 131
Decimal	6783860
CIE _{Lab}	52.26, -13.29, 4.82
CIE _{LCh}	52, 14.135, 160.055
Y _{xy}	20.3771, 0.2968, 0.3587
Android (android.graphics.Color)	4284973940 (0xFF678374)
Y _{UV}	120.9180, -2.4246, -15.7141
Hunter-Lab	45.1410, -12.3250, 5.8941

Details

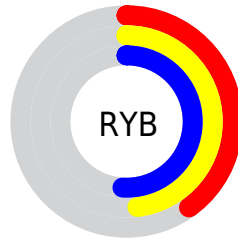
The Yxy color $20.3771, 0.2968, 0.3587$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $15.8294, 0.3324, 0.3011$, and the grayscale version is $19.1027, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9782, 0.3001, 0.3516$, and $7.2642, 0.2894, 0.3730$ is the 20% darker color. If you saturate the color by 10%, you get $19.5062, 0.2899, 0.3749$, and if you desaturate by 10%, it is $21.3834, 0.3041, 0.3440$.

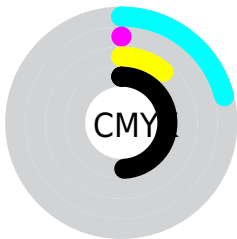
Distribution



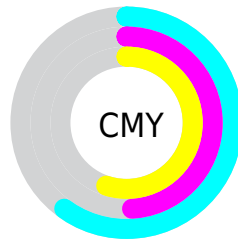
- Red (40%)
- Green (51%)
- Blue (45%)



- Red (40%)
- Yellow (48%)
- 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 20.3771, 0.2968, 0.3587 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 20.3771, 0.2968, 0.3587 by changing the saturation by 10% instead.

■ 20.3771, 0.2968,
0.3587

■ 20.3771, 0.2968,
0.3587

■ 253.9493, 0.3060,
0.3415

■ 12.6695, 0.2939,
0.3640

■ 44.0485, 0.3005,
0.3518

■ 7.2013, 0.2899,
0.3717

■ 60.7811, 0.3018,
0.3494

■ 3.5883, 0.2835,
0.3838

■ 81.2907, 0.3028,
0.3474

■ 1.4461, 0.2723,
0.4051

■ 105.9619, 0.3037,
0.3458

■ 0.2503, 0.0000,
1.0000

■ 135.1789, 0.3044,
0.3445

■ 0.0000, 0.0000,
0.0000

169.3263, 0.3050,

0.3434

208.7883, 0.3055,
0.3424

■ 20.3771, 0.2968,
0.3587

■ 20.3771, 0.2968,
0.3587

■ 19.5062, 0.2899,
0.3749

■ 21.3834, 0.3041,
0.3440

■ 18.7621, 0.2837,
0.3926

■ 22.5282, 0.3117,
0.3307

■ 18.1396, 0.2784,
0.4114

■ 23.8173, 0.3192,
0.3189

■ 17.6315, 0.2744,
0.4312

■ 25.2559, 0.3267,
0.3085

■ 17.2302, 0.2720,
0.4514

■ 26.8485, 0.3339,
0.2993

■ 16.9271, 0.2713,
0.4717

■ 28.5997, 0.3409,
0.2912

■ 16.7121, 0.2725,
0.4912

■ 30.5138, 0.3476,
0.2841

■ 16.5705, 0.2743,
0.5074

■ 32.5949, 0.3540,
0.2779

■ 34.8470, 0.3600,
0.2725

Harmonies

Analogous

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



20.3771, 0.3227, 0.3731



20.3771, 0.2968, 0.3587



20.3771, 0.2757, 0.3355

Triad

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



20.3771, 0.2968, 0.3587



20.3771, 0.2787, 0.2859



20.3771, 0.3634, 0.3431

Complementary

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



20.3771, 0.2968, 0.3587



15.8294, 0.3324, 0.3011

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.



20.3771, 0.3507, 0.3212



20.3771, 0.2968, 0.3587



20.3771, 0.3011, 0.2891

Square

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



20.3771, 0.2968, 0.3587



20.3771, 0.2656, 0.2937



20.3771, 0.3275, 0.3018



20.3771, 0.3618, 0.3626

Rectangle

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



20.3771, 0.2968, 0.3587



20.3771, 0.2670, 0.3191



20.3771, 0.3275, 0.3018



20.3771, 0.3607, 0.3358

Sweetspot

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



20.3780, 0.2968, 0.3587



39.3346, 0.3081, 0.3368



21.0925, 0.3281, 0.3826



9.1325, 0.3077, 0.3375



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.



20.3780, 0.2968, 0.3587



35.6467, 0.2931, 0.3670



20.7179, 0.2835, 0.3316



5.2381, 0.3058, 0.3409



16.3098, 0.2742, 0.5073



0.0580, 0.2521, 0.4275

Inverse Universe

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



15.8294, 0.3324, 0.3011



25.8811, 0.3385, 0.2940



15.5292, 0.3516, 0.3264



4.7273, 0.3202, 0.3174



5.1867, 0.4755, 0.2393



0.0194, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 20.3771, 0.2968, 0.3587 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 20.3771, 0.2968, 0.3587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

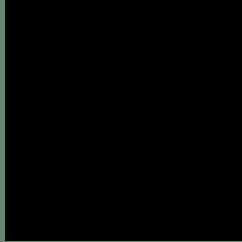
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3771, 0.2968, 0.3587

Background



This preview shows how black text looks on a background with the Yxy color 20.3771, 0.2968, 0.3587.



This preview shows how white text looks on a background with the Yxy color 20.3771, 0.2968, 0.3587.

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

20.3771, 0.2968, 0.3587

Protanopia

20.2523, 0.3327, 0.3512

Deuteranopia

20.2299, 0.3393, 0.3326



Tritanopia

20.3991, 0.2793, 0.3101

Trichromacy



Original Color

20.3771, 0.2968, 0.3587

Protanomaly

20.3641, 0.3198, 0.3556

Deuteranomaly

20.1353, 0.3231, 0.3420

Tritanomaly

20.3764, 0.2860, 0.3270

Monochromacy



Original Color

20.3771, 0.2968, 0.3587

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 20.3771, 0.2968, 0.3587 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, 131, 116)` looks like.

```
.text, #text, p{  
    color:rgb(103, 131, 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, 131, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 131, 116) }
```

Border

The CSS property to change the border of an element to Yxy 20.3771, 0.2968, 0.3587 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, 131, 116) }
```

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

```
.border{ border-color:rgb(103, 131, 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, 131, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 131, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 131, 116);  
box-shadow:4px 4px 4px 4px rgb(103, 131,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3771, 0.2968, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 131, 116) }
```

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

```
.background{ background-color: rgb(103,  
131, 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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