

Converting Colors

$Y_{xy}(20.1977, 0.3041, 0.3066)$

Have a look what the booklet for
Yxy(20.1977, 0.3041, 0.3066)
contains.

| | |
|--|----|
| Yxy(20.1804, 0.3042, 0.3057) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(20.1804, 0.3042, 0.3057)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 7F7A87 |
| RGB | 127, 122, 135 |
| RGB Percent | 50%, 48%, 53% |
| CMY | 0.5021, 0.5215, 0.4707 |
| CMYK | 0.06, 0.10, 0.00, 0.47 |
| HSL | 263°, 5%, 50% |
| HSV | 263°, 10%, 53% |
| XYZ | 20.0814, 20.1804, 25.7520 |
| YIQ | 124.9770, -1.1930, 5.1030 |

Conversions

Conversions Part 2

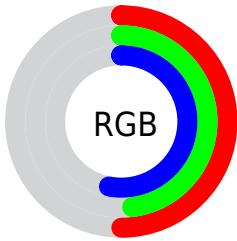
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 127, 122, 135 |
| Decimal | 8354439 |
| CIE Lab | 52.04, 4.52, -6.37 |
| CIE LCh | 52, 7.813, 305.345 |
| Yxy | 20.1804, 0.3042, 0.3057 |
| Android (android.graphics.Color) | 4286544519 (0xFF7F7A87) |
| YUV | 124.9770, 4.9413, 1.7742 |
| Hunter-Lab | 44.9226, 1.1788, -2.5423 |

Details

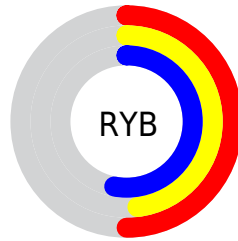
The Yxy color **20.1804, 0.3042, 0.3057** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.4761, 0.3207, 0.3521**, and the grayscale version is **20.4826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6062, 0.3066, 0.3107**, and **7.0407, 0.3013, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **16.4795, 0.2940, 0.2793**, and if you desaturate by 10%, it is **24.3964, 0.3130, 0.3299**.

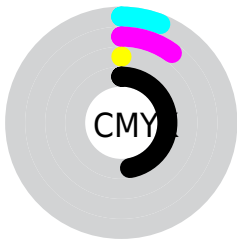
Distribution



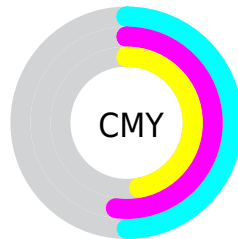
- Red (50%)
- Green (48%)
- Blue (53%)



- Red (50%)
- Yellow (48%)
- Blue (53%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)
- Black (47%)



- Cyan (50%)
- Magenta (52%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1804, 0.3042, 0.3057 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 20.1804, 0.3042, 0.3057 by changing the saturation by 10% instead.

■ 20.1804, 0.3042,
0.3057

■ 20.1804, 0.3042,
0.3057

252.8901, 0.3091,
0.3188

■ 12.5262, 0.3027,
0.3018

■ 43.7194, 0.3062,
0.3109

■ 7.1031, 0.3006,
0.2964

■ 60.3731, 0.3068,
0.3127

■ 3.5267, 0.2973,
0.2882

■ 80.7954, 0.3074,
0.3142

■ 1.4125, 0.2915,
0.2747

105.3707, 0.3079,
0.3154

■ 0.2259, 0.2616,
0.1818

134.4834, 0.3082,
0.3165

■ 0.0000, 0.0000,
0.0000

168.5180, 0.3086,

0.3174

207.8587, 0.3089,
0.3181

■ 20.1804, 0.3042,
0.3057

■ 20.1804, 0.3042,
0.3057

■ 16.4795, 0.2940,
0.2793

■ 24.3964, 0.3130,
0.3299

■ 13.2711, 0.2823,
0.2509

■ 29.1439, 0.3206,
0.3518

■ 10.5344, 0.2693,
0.2211

■ 34.4418, 0.3270,
0.3714

■ 8.2463, 0.2551,
0.1909

■ 40.3073, 0.3325,
0.3889

■ 6.3818, 0.2401,
0.1615

■ 46.7569, 0.3370,
0.4044

■ 4.9131, 0.2249,
0.1344

■ 53.8062, 0.3409,
0.4182

■ 3.8092, 0.2102,
0.1111

■ 61.4703, 0.3441,
0.4305

■ 3.0340, 0.1966,
0.0930

■ 69.7640, 0.3468,
0.4413

■ 2.4898, 0.1846,
0.0794

■ 78.7013, 0.3491,
0.4510

Harmonies

Analogous

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



20.1804, 0.2921, 0.3051



20.1804, 0.3042, 0.3057



20.1804, 0.3188, 0.3122

Triad

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



20.1804, 0.3042, 0.3057



20.1804, 0.3405, 0.3466



20.1804, 0.2936, 0.3349

Complementary

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



20.1804, 0.3042, 0.3057



23.4761, 0.3207, 0.3521

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.



20.1804, 0.3062, 0.3468



20.1804, 0.3042, 0.3057



20.1804, 0.3334, 0.3534

Square

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



20.1804, 0.3042, 0.3057



20.1804, 0.3400, 0.3354



20.1804, 0.3208, 0.3536



20.1804, 0.2862, 0.3216

Rectangle

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



20.1804, 0.3042, 0.3057



20.1804, 0.3280, 0.3190



20.1804, 0.3208, 0.3536



20.1804, 0.2974, 0.3392

Sweetspot

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



20.1813, 0.3042, 0.3057



40.9836, 0.3101, 0.3218



21.9132, 0.2985, 0.3204



9.3585, 0.3095, 0.3200



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.1813, 0.3042, 0.3057



34.2984, 0.3016, 0.2989



20.6783, 0.3117, 0.3062



4.6250, 0.3047, 0.3070



2.2852, 0.1845, 0.0790



0.0119, 0.2334, 0.1059

Inverse Universe

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



20.6840, 0.3195, 0.3149



35.4347, 0.3215, 0.3109



22.9946, 0.3135, 0.3526



4.7334, 0.3191, 0.3157



5.3332, 0.4425, 0.2211



0.0199, 0.3776, 0.1854

Previews

White Background



This preview shows how the Yxy color 20.1804, 0.3042, 0.3057 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 20.1804, 0.3042, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

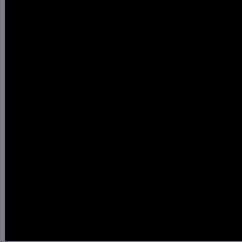
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1804, 0.3042, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 20.1804, 0.3042, 0.3057.

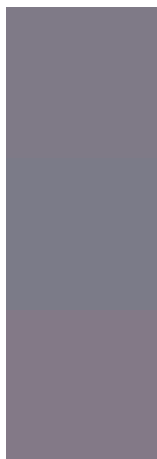


This preview shows how white text looks on a background with the Yxy color 20.1804, 0.3042, 0.3057.

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

20.1804, 0.3042, 0.3057

Protanopia

20.1544, 0.2984, 0.3054

Deuteranopia

20.2493, 0.3090, 0.3042



Tritanopia

20.0970, 0.3075, 0.3109

Trichromacy



Original Color

20.1804, 0.3042, 0.3057

Protanomaly

20.2286, 0.2996, 0.3055

Deuteranomaly

20.1698, 0.3078, 0.3041

Tritanomaly

20.1245, 0.3064, 0.3092

Monochromacy



Original Color

20.1804, 0.3042, 0.3057

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4359, 0.3095, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1804, 0.3042, 0.3057 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(127, 122, 135)` looks like.

```
.text, #text, p{  
    color:rgb(127, 122, 135)  
}
```

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(127, 122, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 122, 135) }
```

Border

The CSS property to change the border of an element to Yxy 20.1804, 0.3042, 0.3057 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(127, 122, 135) }
```

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

```
.border{ border-color:rgb(127, 122, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 122, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 122, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 122, 135);  
box-shadow:4px 4px 4px 4px rgb(127, 122,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1804, 0.3042, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 122, 135) }
```

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

```
.background{ background-color: rgb(127,  
122, 135) }
```

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