

Converting Colors

$Y_{xy}(12.2283, 0.2851, 0.3129)$

Have a look what the booklet for
Yxy(12.2283, 0.2851, 0.3129)
contains.

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Color

Yxy(12.2021, 0.2855, 0.3127)

Conversions

Conversions Part 1

Format	Color
Hex	57646B
RGB	87, 100, 107
RGB Percent	34%, 39%, 42%
CMY	0.6589, 0.6078, 0.5804
CMYK	0.19, 0.07, 0.00, 0.58
HSL	201°, 10%, 38%
HSV	201°, 19%, 42%
XYZ	11.1407, 12.2021, 15.6789
YIQ	96.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

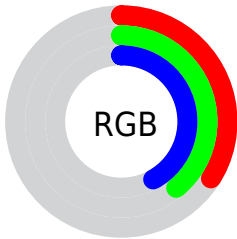
Format	Color
R_{YB}	87, 95, 107
Decimal	5727339
CIE _{Lab}	41.54, -3.30, -5.63
CIE _{LCh}	42, 6.526, 239.614
Yxy	12.2021, 0.2855, 0.3127
Android (android.graphics.Color)	4283917419 (0xFF57646B)
YUV	96.9110, 4.9739, -8.6919
Hunter-Lab	34.9315, -4.2011, -2.1601

Details

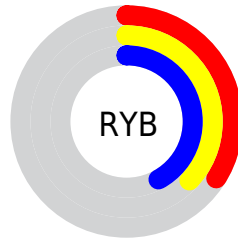
The Yxy color **12.2021, 0.2855, 0.3127** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8171, 0.3438, 0.3448**, and the grayscale version is **11.9202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9202, 0.2927, 0.3178**, and **3.3439, 0.2703, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **11.0238, 0.2709, 0.3028**, and if you desaturate by 10%, it is **13.4907, 0.3001, 0.3218**.

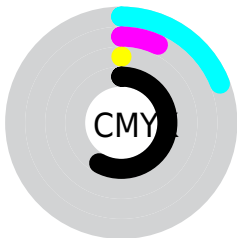
Distribution



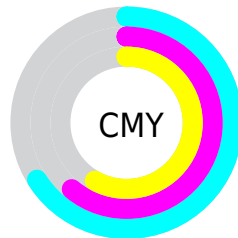
- Red (34%)
- Green (39%)
- Blue (42%)



- Red (34%)
- Yellow (37%)
- Blue (42%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (58%)



- Cyan (66%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2021, 0.2855, 0.3127 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 12.2021, 0.2855, 0.3127 by changing the saturation by 10% instead.

■ 12.2021, 0.2855,
0.3127

■ 12.2021, 0.2855,
0.3127

■ 205.7387, 0.3020,
0.3227

■ 6.8815, 0.2799,
0.3092

■ 29.8627, 0.2924,
0.3170

■ 3.3881, 0.2714,
0.3038

■ 42.9714, 0.2947,
0.3184

■ 1.3375, 0.2571,
0.2944

■ 59.4449, 0.2966,
0.3195

■ 0.1700, 0.0976,
0.2049

■ 79.6677, 0.2980,
0.3204

■ 0.0000, 0.0000,
0.0000

■ 104.0240, 0.2993,
0.3211

132.8984, 0.3003,

0.3217

166.6751, 0.3012,
0.3223

■ 12.2021, 0.2855,
0.3127

■ 12.2021, 0.2855,
0.3127

■ 11.0238, 0.2709,
0.3028

■ 13.4907, 0.3001,
0.3218

■ 9.9506, 0.2567,
0.2921

■ 14.8917, 0.3146,
0.3300

■ 8.9789, 0.2431,
0.2807

■ 16.4090, 0.3287,
0.3374

■ 8.1043, 0.2305,
0.2687

■ 18.0458, 0.3423,
0.3441

■ 7.3222, 0.2191,
0.2562

■ 19.8052, 0.3554,
0.3500

■ 6.6271, 0.2093,
0.2435

■ 21.6901, 0.3679,
0.3552

■ 6.0132, 0.2013,
0.2308

■ 23.7035, 0.3797,
0.3597

■ 5.4599, 0.1944,
0.2181

■ 25.8480, 0.3908,
0.3638

■ 5.3906, 0.1935,
0.2164

■ 28.1264, 0.4013,
0.3673

Harmonies

Analogous

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



12.2021, 0.2874, 0.3241



12.2021, 0.2855, 0.3127



12.2021, 0.2907, 0.3060

Triad

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



12.2021, 0.2855, 0.3127



12.2021, 0.3296, 0.3207



12.2021, 0.3233, 0.3538

Complementary

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



12.2021, 0.2855, 0.3127



11.8171, 0.3438, 0.3448

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.



12.2021, 0.3350, 0.3523



12.2021, 0.2855, 0.3127



12.2021, 0.3387, 0.3330

Square

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



12.2021, 0.2855, 0.3127



12.2021, 0.3159, 0.3108



12.2021, 0.3407, 0.3445



12.2021, 0.3090, 0.3483

Rectangle

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



12.2021, 0.2855, 0.3127



12.2021, 0.2975, 0.3049



12.2021, 0.3407, 0.3445



12.2021, 0.3277, 0.3541

Sweetspot

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



12.2026, 0.2855, 0.3127



24.7720, 0.3038, 0.3240



13.3440, 0.3022, 0.3603



5.9693, 0.3032, 0.3236



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.2026, 0.2855, 0.3127



20.9994, 0.2798, 0.3089



10.4544, 0.2843, 0.2895



3.3226, 0.2997, 0.3216



6.4995, 0.1931, 0.2152



31.4460, 0.1912, 0.2081

Inverse Universe

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



10.8607, 0.3255, 0.3003



18.2162, 0.3287, 0.2940



13.6479, 0.3402, 0.3656



3.1468, 0.3184, 0.3155



4.3285, 0.4284, 0.2134



21.8867, 0.4362, 0.2177

Previews

White Background



This preview shows how the Yxy color 12.2021, 0.2855, 0.3127 looks on a white 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

Black Background



This preview shows how the Yxy color 12.2021, 0.2855, 0.3127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

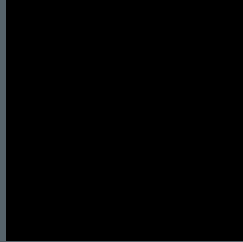
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

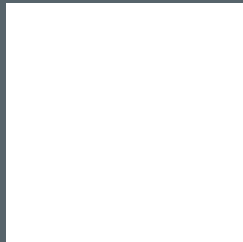
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2021, 0.2855, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 12.2021, 0.2855, 0.3127.



This preview shows how white text looks on a background with the Yxy color 12.2021, 0.2855, 0.3127.

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

12.2021, 0.2855, 0.3127

Protanopia

12.1107, 0.3018, 0.3109

Deuteranopia

12.1507, 0.3066, 0.3006



Tritanopia

12.2233, 0.2843, 0.3104

Trichromacy



Original Color

12.2021, 0.2855, 0.3127

Protanomaly

12.1031, 0.2948, 0.3107

Deuteranomaly

12.1735, 0.2978, 0.3044

Tritanomaly

12.2233, 0.2843, 0.3104

Monochromacy



Original Color

12.2021, 0.2855, 0.3127

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0021, 0.3013, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2021, 0.2855, 0.3127 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(87, 100, 107) looks like.

```
.text, #text, p{  
    color:rgb(87, 100, 107)  
}
```

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(87, 100, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 100, 107) }
```

Border

The CSS property to change the border of an element to Yxy 12.2021, 0.2855, 0.3127 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(87, 100, 107) }
```

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

```
.border{ border-color:rgb(87, 100, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 100, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 100, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 100, 107);  
box-shadow:4px 4px 4px 4px rgb(87, 100,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2021, 0.2855, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 100, 107) }
```

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

```
.background{ background-color: rgb(87, 100,  
107) }
```

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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