

Converting Colors

$Y_{xy}(20.1014, 0.2828, 0.3834)$

Have a look what the booklet for
Yxy(20.1014, 0.2828, 0.3834)
contains.

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Color

$Y_{xy}(20.2259, 0.2827, 0.3837)$

Conversions

Conversions Part 1

Format	Color
Hex	52876D
RGB	82, 135, 109
RGB Percent	32%, 53%, 43%
CMY	0.6785, 0.4706, 0.5726
CMYK	0.39, 0.00, 0.19, 0.47
HSL	151°, 24%, 43%
HSV	151°, 39%, 53%
XYZ	14.9019, 20.2259, 17.5850
YIQ	116.1890, -23.2420, -19.3220

Conversions

Conversions Part 2

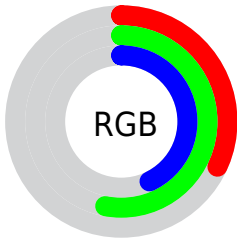
Format	Color
R _Y B	82, 117, 135
Decimal	5408621
CIE Lab	52.09, -23.89, 8.48
CIE LCh	52, 25.349, 160.447
Yxy	20.2259, 0.2827, 0.3837
Android (android.graphics.Color)	4283598701 (0xFF52876D)
YUV	116.1890, -3.5442, -29.9838
Hunter-Lab	44.9732, -19.5570, 8.2983

Details

The Yxy color **20.2259, 0.2827, 0.3837** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.2645, 0.3596, 0.2806**, and the grayscale version is **17.5409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0367, 0.2898, 0.3704**, and **7.1410, 0.2697, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **19.5428, 0.2768, 0.4007**, and if you desaturate by 10%, it is **21.0405, 0.2896, 0.3678**.

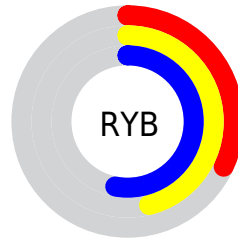
Distribution



Red (32%)

Green (53%)

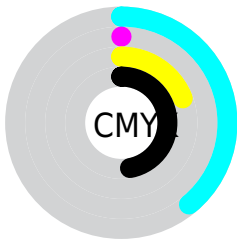
Blue (43%)



Red (32%)

Yellow (46%)

Blue (53%)

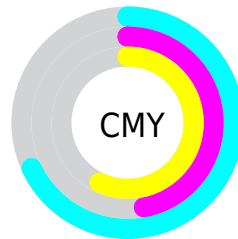


Cyan (39%)

Magenta (0%)

Yellow (19%)

Black (47%)



Cyan (68%)

Magenta (47%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2259, 0.2827, 0.3837 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 20.2259, 0.2827, 0.3837 by changing the saturation by 10% instead.

■ 20.2259, 0.2827,
0.3837

■ 20.2259, 0.2827,
0.3837

■ 253.1354, 0.3002,
0.3516

■ 12.5594, 0.2772,
0.3939

■ 43.7956, 0.2898,
0.3706

■ 7.1258, 0.2691,
0.4088

■ 60.4675, 0.2923,
0.3661

■ 3.5409, 0.2565,
0.4325

■ 80.9101, 0.2942,
0.3625

■ 1.4202, 0.2318,
0.4776

■ 105.5076, 0.2959,
0.3596

■ 0.2316, 0.0000,
1.0000

■ 134.6445, 0.2972,
0.3571

■ 0.0000, 0.0000,
0.0000

168.7052, 0.2984,

0.3550

208.0740, 0.2994,
0.3532

■ 20.2259, 0.2827,
0.3837

■ 20.2259, 0.2827,
0.3837

■ 19.5428, 0.2768,
0.4007

■ 21.0405, 0.2896,
0.3678

■ 18.9815, 0.2721,
0.4186

■ 21.9907, 0.2971,
0.3533

■ 18.5347, 0.2690,
0.4372


■ 23.0837, 0.3051,
0.3401

■ 18.1935, 0.2677,
0.4558


■ 24.3252, 0.3133,
0.3282

■ 17.9474, 0.2683,
0.4742


■ 25.7207, 0.3215,
0.3176

 17.7693, 0.2702,
0.4920

 27.2754, 0.3296,
0.3082

 17.7571, 0.2703,
0.4932

 28.9943, 0.3375,
0.3000

 30.8821, 0.3451,
0.2927

 32.9433, 0.3524,
0.2863

Harmonies

Analogous

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



20.2259, 0.3283, 0.4107



20.2259, 0.2827, 0.3837



20.2259, 0.2469, 0.3390

Triad

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



20.2259, 0.2827, 0.3837



20.2259, 0.2530, 0.2541



20.2259, 0.4047, 0.3518

Complementary

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



20.2259, 0.2827, 0.3837



12.2645, 0.3596, 0.2806

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.



20.2259, 0.3817, 0.3145



20.2259, 0.2827, 0.3837



20.2259, 0.2917, 0.2606

Square

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



20.2259, 0.2827, 0.3837



20.2259, 0.2310, 0.2654



20.2259, 0.3391, 0.2821



20.2259, 0.4004, 0.3868

Rectangle

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



20.2259, 0.2827, 0.3837



20.2259, 0.2326, 0.3086



20.2259, 0.3391, 0.2821



20.2259, 0.3999, 0.3392

Sweetspot

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



20.2267, 0.2827, 0.3837



40.7217, 0.3027, 0.3439



21.1578, 0.3368, 0.4337



9.3805, 0.3018, 0.3453



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.



20.2267, 0.2827, 0.3837



35.1317, 0.2775, 0.3986



20.8722, 0.2602, 0.3288



5.2414, 0.3053, 0.3399



16.3750, 0.2702, 0.4927



0.0582, 0.2491, 0.4166

Inverse Universe

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



12.2645, 0.3596, 0.2806



18.8136, 0.3749, 0.2700



11.7909, 0.4058, 0.3293



4.7240, 0.3209, 0.3184



5.1175, 0.4937, 0.2494



0.0192, 0.4058, 0.2009

Previews

White Background



This preview shows how the Yxy color 20.2259, 0.2827, 0.3837 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 20.2259, 0.2827, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

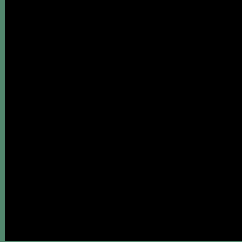
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2259, 0.2827, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 20.2259, 0.2827, 0.3837.



This preview shows how white text looks on a background with the Yxy color 20.2259, 0.2827, 0.3837.

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

20.2259, 0.2827, 0.3837

Protanopia

19.9705, 0.3463, 0.3661

Deuteranopia

19.9390, 0.3483, 0.3415



Tritanopia

20.2795, 0.2601, 0.3094

Trichromacy



Original Color

20.2259, 0.2827, 0.3837

Protanomaly

19.7094, 0.3202, 0.3723

Deuteranomaly

19.7369, 0.3212, 0.3559

Tritanomaly

20.0659, 0.2679, 0.3349

Monochromacy



Original Color

20.2259, 0.2827, 0.3837

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.3012, 0.3010, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2259, 0.2827, 0.3837 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(82, 135, 109)` looks like.

```
.text, #text, p{  
    color:rgb(82, 135, 109)  
}
```

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(82, 135, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 135, 109) }
```

Border

The CSS property to change the border of an element to Yxy 20.2259, 0.2827, 0.3837 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(82, 135, 109) }
```

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

```
.border{ border-color:rgb(82, 135, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 135, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 135, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 135, 109);  
box-shadow:4px 4px 4px 4px rgb(82, 135,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2259, 0.2827, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 135, 109) }
```

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

```
.background{ background-color: rgb(82, 135,  
109) }
```

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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