

Converting Colors

$Y_{xy}(27.3308, 0.2635, 0.4160)$

Have a look what the booklet for
Yxy(27.3308, 0.2635, 0.4160)
contains.

Yxy(27.1828, 0.2630, 0.4144)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1828, 0.2630, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	35A075
RGB	53, 160, 117
RGB Percent	21%, 63%, 46%
CMY	0.7919, 0.3726, 0.5412
CMYK	0.67, 0.00, 0.27, 0.37
HSL	156°, 50%, 42%
HSV	156°, 67%, 63%
XYZ	17.2516, 27.1828, 21.1611
YIQ	123.1050, -49.9690, -36.0570

Conversions

Conversions Part 2

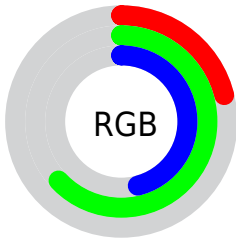
Format	Color
RYB	53, 120, 160
Decimal	3514485
CIELab	59.14, -40.80, 13.71
CIELCh	59, 43.038, 161.426
Yxy	27.1828, 0.2630, 0.4144
Android (android.graphics.Color)	4281704565 (0xFF35A075)
YUV	123.1050, -3.0098, -61.4821
Hunter-Lab	52.1371, -32.1762, 12.4317

Details

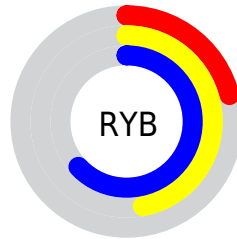
The Yxy color **27.1828, 0.2630, 0.4144** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.8724, 0.4363, 0.2652**, and the grayscale version is **19.8725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4211, 0.2742, 0.3958**, and **10.9451, 0.2565, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **26.6735, 0.2607, 0.4298**, and if you desaturate by 10%, it is **27.8495, 0.2671, 0.3993**.

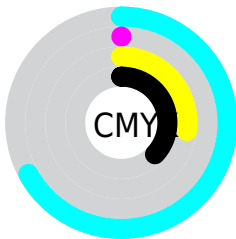
Distribution



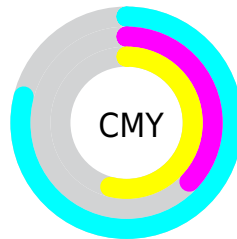
- Red (21%)
- Green (63%)
- Blue (46%)



- Red (21%)
- Yellow (47%)
- Blue (63%)



- Cyan (67%)
- Magenta (0%)
- Yellow (27%)
- Black (37%)



- Cyan (79%)
- Magenta (37%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1828, 0.2630, 0.4144 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 27.1828, 0.2630, 0.4144 by changing the saturation by 10% instead.

 27.1828, 0.2630,
0.4144


 27.1828, 0.2630,
0.4144


288.5411, 0.2911,
0.3656


 17.7106, 0.2547,
0.4291


 55.1771, 0.2741,
0.3949


 10.7424, 0.2431,
0.4499


 74.4679, 0.2780,
0.3882


 5.8939, 0.2258,
0.4812

 97.8003, 0.2812,
0.3827

 2.7807, 0.1977,
0.5333

 125.5588, 0.2838,
0.3781

 1.0183, 0.0000,
0.8763

 158.1278, 0.2861,
0.3742

 0.0000, 0.0000,
0.0000

195.8915, 0.2880,

0.3709

239.2345, 0.2896,
0.3681

■ 27.1828, 0.2630,
0.4144

■ 27.1828, 0.2630,
0.4144

■ 26.6735, 0.2607,
0.4298

■ 27.8495, 0.2671,
0.3993

■ 26.3030, 0.2604,
0.4452

■ 28.6836, 0.2728,
0.3847

■ 26.0495, 0.2619,
0.4603

■ 29.6978, 0.2799,
0.3709

■ 25.9789, 0.2625,
0.4650

■ 30.9029, 0.2880,
0.3581

■ 32.3087, 0.2969,
0.3464

■ 33.9242, 0.3062,
0.3357

■ 35.7581, 0.3158,
0.3261

■ 37.8184, 0.3254,
0.3175

■ 40.1127, 0.3349,
0.3099

Harmonies

Analogous

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



27.1828, 0.3305, 0.4583



27.1828, 0.2630, 0.4144



27.1828, 0.2124, 0.3397

Triad

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



27.1828, 0.2630, 0.4144



27.1828, 0.2251, 0.2191



27.1828, 0.4545, 0.3596

Complementary

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



27.1828, 0.2630, 0.4144



10.8724, 0.4363, 0.2652

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.



27.1828, 0.4210, 0.3067



27.1828, 0.2630, 0.4144



27.1828, 0.2816, 0.2301

Square

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



27.1828, 0.2630, 0.4144



27.1828, 0.1937, 0.2320



27.1828, 0.3543, 0.2612



27.1828, 0.4436, 0.4121

Rectangle

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



27.1828, 0.2630, 0.4144



27.1828, 0.1937, 0.2923



27.1828, 0.3543, 0.2612



27.1828, 0.4481, 0.3416

Sweetspot

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



27.1839, 0.2630, 0.4144



57.7140, 0.2937, 0.3504



27.9747, 0.3372, 0.5180



12.5100, 0.2913, 0.3535



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.1839, 0.2630, 0.4144



48.0856, 0.2603, 0.4371



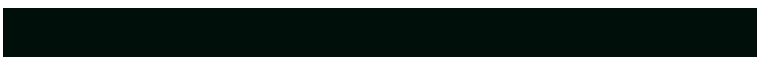
25.4584, 0.2318, 0.3123



7.4643, 0.3039, 0.3381



20.2464, 0.2621, 0.4637



0.3702, 0.2454, 0.4035

Inverse Universe

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



10.8724, 0.4363, 0.2652



16.3197, 0.4801, 0.2619



11.1745, 0.5160, 0.3419



6.6882, 0.3224, 0.3200



6.1217, 0.5319, 0.2704



0.1176, 0.4362, 0.2176

Previews

White Background



This preview shows how the Yxy color 27.1828, 0.2630, 0.4144 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 27.1828, 0.2630, 0.4144 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 27.1828, 0.2630, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 27.1828, 0.2630, 0.4144.



This preview shows how white text looks on a background with the Yxy color 27.1828, 0.2630, 0.4144.

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

27.1828, 0.2630, 0.4144

Protanopia

26.7118, 0.3584, 0.3831

Deuteranopia

26.6948, 0.3579, 0.3511



Tritanopia

27.2421, 0.2383, 0.3076

Trichromacy



Original Color

27.1828, 0.2630, 0.4144



Protanomaly

25.9723, 0.3136, 0.3967



Deuteranomaly

25.7444, 0.3127, 0.3737



Tritanomaly

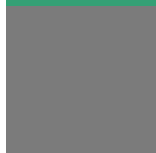
27.0389, 0.2468, 0.3437

Monochromacy



Original Color

27.1828, 0.2630, 0.4144



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.5855, 0.2871, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1828, 0.2630, 0.4144 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(53, 160, 117)` looks like.

```
.text, #text, p{  
  color:rgb(53, 160, 117)  
}
```

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(53, 160, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 160, 117) }
```

Border

The CSS property to change the border of an element to Yxy 27.1828, 0.2630, 0.4144 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(53, 160, 117) }
```

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

```
.border{ border-color:rgb(53, 160, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 160, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 160, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 160, 117);  
box-shadow:4px 4px 4px 4px rgb(53, 160,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1828, 0.2630, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 160, 117) }
```

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

```
.background{ background-color: rgb(53, 160,  
117) }
```

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