

Converting Colors

$Yxy(30.5760, 0.2843, 0.4119)$

Have a look what the booklet for
Yxy(30.5760, 0.2843, 0.4119)
contains.

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Color

$\text{Yxy}(30.4400, 0.2845, 0.4111)$

Conversions

Conversions Part 1

Format	Color
Hex	5AA578
RGB	90, 165, 120
RGB Percent	35%, 65%, 47%
CMY	0.6469, 0.3530, 0.5293
CMYK	0.45, 0.00, 0.27, 0.35
HSL	144°, 29%, 50%
HSV	144°, 45%, 65%
XYZ	21.0659, 30.4400, 22.5394
YIQ	137.4450, -30.2550, -29.8950

Conversions

Conversions Part 2

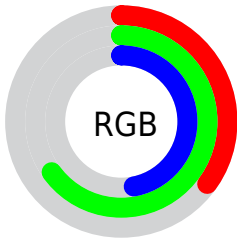
Format	Color
RYB	90, 144, 165
Decimal	5940600
CIELab	62.03, -33.76, 16.23
CIELCh	62, 37.456, 154.327
Yxy	30.4400, 0.2845, 0.4111
Android (android.graphics.Color)	4284130680 (0xFF5AA578)
YUV	137.4450, -8.6004, -41.6093
Hunter-Lab	55.1725, -28.3972, 14.3992

Details

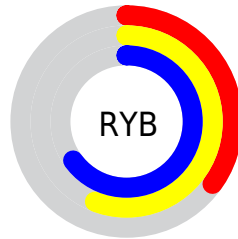
The Yxy color **30.4400, 0.2845, 0.4111** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.0694, 0.3590, 0.2602**, and the grayscale version is **25.2405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6208, 0.2913, 0.3942**, and **12.4006, 0.2725, 0.4432** is the 20% darker color. If you saturate the color by 10%, you get **29.4750, 0.2803, 0.4334**, and if you desaturate by 10%, it is **31.6161, 0.2898, 0.3900**.

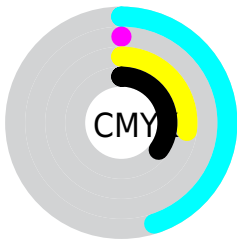
Distribution



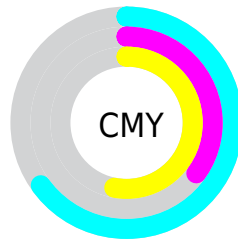
- Red (35%)
- Green (65%)
- Blue (47%)



- Red (35%)
- Yellow (56%)
- Blue (65%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (35%)





- Cyan (65%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4400, 0.2845, 0.4111 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 30.4400, 0.2845, 0.4111 by changing the saturation by 10% instead.


 30.4400, 0.2845,
0.4111


 30.4400, 0.2845,
0.4111


303.9500, 0.3007,
0.3650

 20.1728, 0.2796,
0.4246


 60.3573, 0.2909,
0.3930


 12.5207, 0.2728,
0.4433


 80.7762, 0.2932,
0.3866

 7.0994, 0.2624,
0.4710


 105.3478, 0.2950,
0.3814

 3.5243, 0.2453,
0.5155

 134.4565, 0.2965,
0.3770

 1.4112, 0.2038,
0.6506

168.4867, 0.2978,
0.3733

 0.2250, 0.0000,
1.0000

207.8227, 0.2989,

 0.0000, 0.0000,

0.3702

0.0000

252.8491, 0.2998,
0.3674

■ 30.4400, 0.2845,
0.4111

■ 30.4400, 0.2845,
0.4111

■ 29.4750, 0.2803,
0.4334

■ 31.6161, 0.2898,
0.3900

■ 28.7042, 0.2775,
0.4564

■ 33.0113, 0.2958,
0.3706

■ 28.1144, 0.2764,
0.4795


■ 34.6380, 0.3023,
0.3528

■ 27.6887, 0.2771,
0.5017

■ 36.5062, 0.3090,
0.3369

■ 27.4060, 0.2796,
0.5223


■ 38.6257, 0.3158,
0.3227

 27.3017, 0.2809,
0.5312

 41.0054, 0.3225,
0.3102

 43.6540, 0.3290,
0.2992

 46.5797, 0.3353,
0.2896

 49.7904, 0.3413,
0.2812

Harmonies

Analogous

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



30.4400, 0.3432, 0.4387



30.4400, 0.2845, 0.4111



30.4400, 0.2362, 0.3538

Triad

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



30.4400, 0.2845, 0.4111



30.4400, 0.2296, 0.2356



30.4400, 0.4282, 0.3460

Complementary

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



30.4400, 0.2845, 0.4111



17.0694, 0.3590, 0.2602

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.



30.4400, 0.3920, 0.3007



30.4400, 0.2845, 0.4111



30.4400, 0.2738, 0.2400

Square

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



30.4400, 0.2845, 0.4111



30.4400, 0.2074, 0.2531



30.4400, 0.3334, 0.2633



30.4400, 0.4289, 0.3918

Rectangle

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



30.4400, 0.2845, 0.4111



30.4400, 0.2156, 0.3127



30.4400, 0.3334, 0.2633



30.4400, 0.4198, 0.3305

Sweetspot

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



30.4412, 0.2845, 0.4111



62.4058, 0.3031, 0.3509



32.9042, 0.3488, 0.4502



13.5025, 0.3017, 0.3543



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.4412, 0.2845, 0.4111



52.7007, 0.2801, 0.4347



31.4936, 0.2587, 0.3439



7.9398, 0.3064, 0.3428



20.6646, 0.2804, 0.5293



0.4434, 0.2598, 0.4554

Inverse Universe

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



17.0694, 0.3590, 0.2602



25.5568, 0.3748, 0.2457



16.2162, 0.4168, 0.3156



7.1540, 0.3196, 0.3156



6.7435, 0.4509, 0.2258



0.1507, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 30.4400, 0.2845, 0.4111 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.4400, 0.2845, 0.4111 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 ✓ Pass

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

Yxy 30.4400, 0.2845, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 30.4400, 0.2845, 0.4111.



This preview shows how white text looks on a background with the Yxy color 30.4400, 0.2845, 0.4111.

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

30.4400, 0.2845, 0.4111

Protanopia

30.1607, 0.3603, 0.3850

Deuteranopia

29.8962, 0.3636, 0.3559



Tritanopia

30.2188, 0.2549, 0.3074

Trichromacy



Original Color

30.4400, 0.2845, 0.4111

Protanomaly

29.8545, 0.3285, 0.3944

Deuteranomaly

29.3141, 0.3301, 0.3751

Tritanomaly

30.3534, 0.2661, 0.3444

Monochromacy



Original Color

30.4400, 0.2845, 0.4111

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4992, 0.3003, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4400, 0.2845, 0.4111 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(90, 165, 120)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 120)  
}
```

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(90, 165, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 120) }
```

Border

The CSS property to change the border of an element to Yxy 30.4400, 0.2845, 0.4111 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(90, 165, 120) }
```

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

```
.border{ border-color:rgb(90, 165, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 165, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 120);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4400, 0.2845, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 165, 120) }
```

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

```
.background{ background-color: rgb(90, 165,  
120) }
```

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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