

Converting Colors

$Yxy(30.4642, 0.2853, 0.4137)$

Have a look what the booklet for
Yxy(30.4642, 0.2853, 0.4137)
contains.

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Color

Yxy(30.4158, 0.2852, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	5AA577
RGB	90, 165, 119
RGB Percent	35%, 65%, 47%
CMY	0.6472, 0.3529, 0.5334
CMYK	0.45, 0.00, 0.28, 0.35
HSL	143°, 29%, 50%
HSV	143°, 45%, 65%
XYZ	20.9988, 30.4158, 22.2136
YIQ	137.3310, -29.9340, -30.2060

Conversions

Conversions Part 2

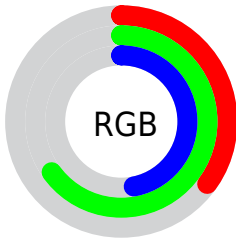
Format	Color
RYB	90, 144, 165
Decimal	5940599
CIELab	62.01, -33.99, 16.76
CIElCh	62, 37.900, 153.747
Yxy	30.4158, 0.2852, 0.4131
Android (android.graphics.Color)	4284130679 (0xFF5AA577)
YUV	137.3310, -9.0372, -41.5093
Hunter-Lab	55.1505, -28.5489, 14.7244

Details

The Yxy color **30.4158, 0.2852, 0.4131** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.0851, 0.3576, 0.2587**, and the grayscale version is **25.1893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5825, 0.2919, 0.3956**, and **12.3879, 0.2735, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **29.4494, 0.2811, 0.4359**, and if you desaturate by 10%, it is **31.5942, 0.2903, 0.3915**.

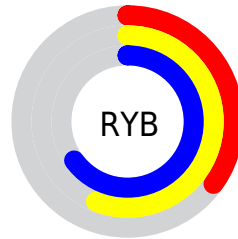
Distribution



Red (35%)

Green (65%)

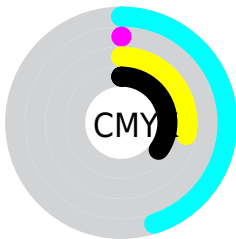
Blue (47%)



Red (35%)

Yellow (56%)

Blue (65%)

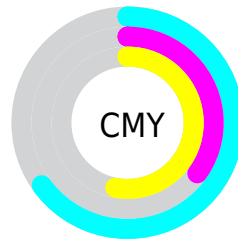


Cyan (45%)

Magenta (0%)

Yellow (28%)

Black (35%)



Cyan (65%)


Magenta (35%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4158, 0.2852, 0.4131 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 30.4158, 0.2852, 0.4131 by changing the saturation by 10% instead.

 30.4158, 0.2852,
0.4131

 30.4158, 0.2852,
0.4131


303.8378, 0.3010,
0.3659

 20.1544, 0.2804,
0.4270


 60.3191, 0.2915,
0.3945


 12.5073, 0.2736,
0.4462

 80.7298, 0.2937,
0.3880

 7.0902, 0.2633,
0.4746


 105.2925, 0.2955,
0.3826

 3.5186, 0.2462,
0.5203

 134.3914, 0.2970,
0.3781

 1.4081, 0.2050,
0.6648

168.4110, 0.2982,
0.3744

 0.2227, 0.0000,
1.0000

207.7356, 0.2993,

 0.0000, 0.0000,

0.3711

0.0000

252.7498, 0.3002,
0.3683

■ 30.4158, 0.2852,
0.4131

■ 30.4158, 0.2852,
0.4131

■ 29.4494, 0.2811,
0.4359

■ 31.5942, 0.2903,
0.3915

■ 28.6782, 0.2785,
0.4594

■ 32.9929, 0.2962,
0.3716

■ 28.0888, 0.2774,
0.4829


■ 34.6241, 0.3025,
0.3534

■ 27.6643, 0.2782,
0.5054

■ 36.4981, 0.3091,
0.3371

■ 27.3835, 0.2807,
0.5262

■ 38.6244, 0.3157,
0.3227

 27.2811, 0.2820,
0.5350

 41.0123, 0.3222,
0.3099

 43.6704, 0.3285,
0.2987

 46.6069, 0.3346,
0.2888

 49.8297, 0.3404,
0.2803

Harmonies

Analogous

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



30.4158, 0.3446, 0.4402



30.4158, 0.2852, 0.4131



30.4158, 0.2361, 0.3553

Triad

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



30.4158, 0.2852, 0.4131



30.4158, 0.2280, 0.2347



30.4158, 0.4293, 0.3452

Complementary

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



30.4158, 0.2852, 0.4131



17.0851, 0.3576, 0.2587

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.



30.4158, 0.3920, 0.2995



30.4158, 0.2852, 0.4131



30.4158, 0.2723, 0.2388

Square

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



30.4158, 0.2852, 0.4131



30.4158, 0.2061, 0.2528



30.4158, 0.3324, 0.2619



30.4158, 0.4306, 0.3915

Rectangle

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



30.4158, 0.2852, 0.4131



30.4158, 0.2150, 0.3136



30.4158, 0.3324, 0.2619



30.4158, 0.4205, 0.3295

Sweetspot

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



30.4170, 0.2852, 0.4131



62.3878, 0.3033, 0.3514



32.9055, 0.3489, 0.4503



13.4981, 0.3020, 0.3549



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.



30.4170, 0.2852, 0.4131



52.6540, 0.2810, 0.4372



31.4943, 0.2587, 0.3439



7.9383, 0.3066, 0.3431



20.6455, 0.2814, 0.5332



0.4429, 0.2608, 0.4589

Inverse Universe

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



17.0851, 0.3576, 0.2587



25.6144, 0.3728, 0.2440



16.2035, 0.4170, 0.3155



7.1555, 0.3194, 0.3153



6.7752, 0.4457, 0.2229



0.1512, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 30.4158, 0.2852, 0.4131 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 30.4158, 0.2852, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

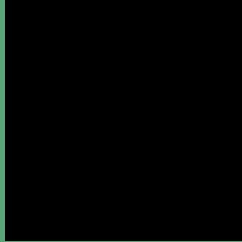
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4158, 0.2852, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 30.4158, 0.2852, 0.4131.



This preview shows how white text looks on a background with the Yxy color 30.4158, 0.2852, 0.4131.

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

30.4158, 0.2852, 0.4131

Protanopia

30.1383, 0.3613, 0.3865

Deuteranopia

29.8708, 0.3646, 0.3574



Tritanopia

30.2776, 0.2556, 0.3074

Trichromacy



Original Color

30.4158, 0.2852, 0.4131

Protanomaly

29.8314, 0.3294, 0.3961

Deuteranomaly

29.2891, 0.3311, 0.3768

Tritanomaly

30.3534, 0.2661, 0.3444

Monochromacy



Original Color

30.4158, 0.2852, 0.4131

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4722, 0.3012, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4158, 0.2852, 0.4131 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 119) }
```

Border

The CSS property to change the border of an element to Yxy 30.4158, 0.2852, 0.4131 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, 119) }
```

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

```
.border{ border-color:rgb(90, 165, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 119);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4158, 0.2852, 0.4131 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, 119) }
```

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

```
.background{ background-color: rgb(90, 165,  
119) }
```

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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