

Converting Colors

$Yxy(30.1152, 0.2787, 0.4496)$

Have a look what the booklet for
Yxy(30.1152, 0.2787, 0.4496)
contains.

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Color

Yxy(30.1152, 0.2787, 0.4496)

Conversions

Conversions Part 1

Format	Color
Hex	40A869
RGB	64, 168, 105
RGB Percent	25%, 66%, 41%
CMY	0.7490, 0.3412, 0.5881
CMYK	0.62, 0.00, 0.37, 0.34
HSL	144°, 45%, 45%
HSV	144°, 62%, 66%
XYZ	18.6679, 30.1152, 18.1991
YIQ	129.7220, -41.7610, -41.6410

Conversions

Conversions Part 2

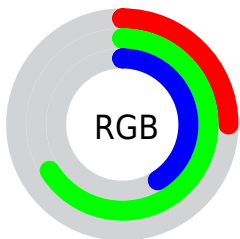
Format	Color
RYB	64, 139, 168
Decimal	4237417
CIELab	61.75, -44.50, 23.89
CIElCh	62, 50.510, 151.774
Yxy	30.1152, 0.2787, 0.4496
Android (android.graphics.Color)	4282427497 (0xFF40A869)
YUV	129.7220, -12.1879, -57.6382
Hunter-Lab	54.8773, -35.3139, 18.7517

Details

The Yxy color **30.1152, 0.2787, 0.4496** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5246, 0.3835, 0.2378**, and the grayscale version is **22.2766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8832, 0.2872, 0.4218**, and **12.5569, 0.2709, 0.4952** is the 20% darker color. If you saturate the color by 10%, you get **29.4385, 0.2770, 0.4729**, and if you desaturate by 10%, it is **30.9890, 0.2820, 0.4265**.

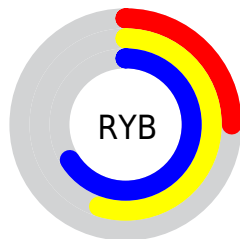
Distribution



Red (25%)

Green (66%)

Blue (41%)



Red (25%)

Yellow (55%)

Blue (66%)

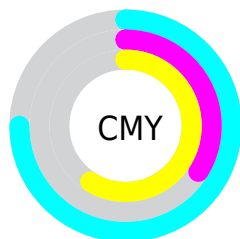


Cyan (62%)

Magenta (0%)

Yellow (37%)

Black (34%)



Cyan (75%)


Magenta (34%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1152, 0.2787, 0.4496 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 30.1152, 0.2787, 0.4496 by changing the saturation by 10% instead.


 30.1152, 0.2787,
0.4496


 30.1152, 0.2787,
0.4496


302.4411, 0.2991,
0.3808


 19.9260, 0.2721,
0.4702


 59.8443, 0.2871,
0.4222


 12.3413, 0.2626,
0.4989


 80.1531, 0.2900,
0.4127


 6.9766, 0.2478,
0.5414


 104.6038, 0.2922,
0.4049

 3.4474, 0.2222,
0.6095

 133.5809, 0.2941,
0.3984

 1.3696, 0.0989,
0.9011

 167.4688, 0.2957,
0.3930

 0.1941, 0.0000,
1.0000

206.6519, 0.2970,

 0.0000, 0.0000,

0.3883

0.0000

251.5145, 0.2981,
0.3843

■ 30.1152, 0.2787,
0.4496

■ 30.1152, 0.2787,
0.4496

■ 29.4385, 0.2770,
0.4729

■ 30.9890, 0.2820,
0.4265

■ 28.9387, 0.2771,
0.4957

■ 32.0709, 0.2865,
0.4044

■ 28.5972, 0.2790,
0.5171

■ 33.3753, 0.2920,
0.3836

■ 28.4022, 0.2814,
0.5331

■ 34.9143, 0.2982,
0.3645

■ 36.6992, 0.3047,
0.3472

■ 38.7403, 0.3114,
0.3317

■ 41.0475, 0.3181,
0.3180

■ 43.6301, 0.3247,
0.3060

■ 46.4970, 0.3311,
0.2954

Harmonies

Analogous

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



30.1152, 0.3560, 0.4799



30.1152, 0.2787, 0.4496



30.1152, 0.2149, 0.3690

Triad

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



30.1152, 0.2787, 0.4496



30.1152, 0.2006, 0.2081



30.1152, 0.4665, 0.3418

Complementary

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



30.1152, 0.2787, 0.4496



13.5246, 0.3835, 0.2378

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.



30.1152, 0.4138, 0.2858



30.1152, 0.2787, 0.4496



30.1152, 0.2542, 0.2127

Square

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



30.1152, 0.2787, 0.4496



30.1152, 0.1757, 0.2307



30.1152, 0.3319, 0.2402



30.1152, 0.4687, 0.4011

Rectangle

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



30.1152, 0.2787, 0.4496



30.1152, 0.1880, 0.3109



30.1152, 0.3319, 0.2402



30.1152, 0.4540, 0.3225

Sweetspot

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



30.1164, 0.2787, 0.4496



64.1394, 0.2998, 0.3599



32.9759, 0.3571, 0.4937



13.7962, 0.2980, 0.3648



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.1164, 0.2787, 0.4496



53.0711, 0.2768, 0.4809



31.4919, 0.2459, 0.3503



8.4549, 0.3065, 0.3430



21.4573, 0.2809, 0.5312



0.5322, 0.2617, 0.4622

Inverse Universe

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



13.5246, 0.3835, 0.2378



20.4112, 0.4067, 0.2261



12.5164, 0.4814, 0.3124



7.6157, 0.3195, 0.3154



7.0174, 0.4490, 0.2247



0.1804, 0.3968, 0.1960

Previews

White Background



This preview shows how the Yxy color 30.1152, 0.2787, 0.4496 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 30.1152, 0.2787, 0.4496 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 30.1152, 0.2787, 0.4496

Background



This preview shows how black text looks on a background with the Yxy color 30.1152, 0.2787, 0.4496.



This preview shows how white text looks on a background with the Yxy color 30.1152, 0.2787, 0.4496.

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

30.1152, 0.2787, 0.4496

Protanopia

29.6199, 0.3778, 0.4077

Deuteranopia

29.6077, 0.3826, 0.3748



Tritanopia

30.0900, 0.2434, 0.3069

Trichromacy



Original Color

30.1152, 0.2787, 0.4496



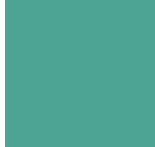
Protanomaly

28.7984, 0.3335, 0.4245



Deuteranomaly

28.3882, 0.3360, 0.4004



Tritanomaly

29.9103, 0.2558, 0.3558

Monochromacy



Original Color

30.1152, 0.2787, 0.4496



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.3912, 0.2955, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1152, 0.2787, 0.4496 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(64, 168, 105)` looks like.

```
.text, #text, p{  
  color:rgb(64, 168, 105)  
}
```

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(64, 168, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 168, 105) }
```

Border

The CSS property to change the border of an element to Yxy 30.1152, 0.2787, 0.4496 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(64, 168, 105) }
```

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

```
.border{ border-color:rgb(64, 168, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 168, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 168, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 168, 105);  
box-shadow:4px 4px 4px 4px rgb(64, 168,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1152, 0.2787, 0.4496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 168, 105) }
```

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

```
.background{ background-color: rgb(64, 168,  
105) }
```

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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