

Converting Colors

$Yxy(30.6740, 0.2681, 0.3645)$

Have a look what the booklet for
Yxy(30.6740, 0.2681, 0.3645)
contains.

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Color

Yxy(30.7887, 0.2676, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	5BA490
RGB	91, 164, 144
RGB Percent	36%, 64%, 56%
CMY	0.6431, 0.3568, 0.4354
CMYK	0.45, 0.00, 0.12, 0.36
HSL	164°, 29%, 50%
HSV	164°, 45%, 64%
XYZ	22.6223, 30.7887, 31.1269
YIQ	139.8930, -37.0880, -21.6960

Conversions

Conversions Part 2

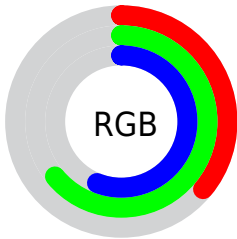
Format	Color
RYB	91, 133, 164
Decimal	6005904
CIELab	62.33, -27.76, 3.30
CIElCh	62, 27.957, 173.224
Yxy	30.7887, 0.2676, 0.3642
Android (android.graphics.Color)	4284195984 (0xFF5BA490)
YUV	139.8930, 2.0248, -42.8792
Hunter-Lab	55.4876, -24.3286, 5.5814

Details

The Yxy color **30.7887, 0.2676, 0.3642** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.5236, 0.3948, 0.2976**, and the grayscale version is **26.1846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7600, 0.2766, 0.3561**, and **12.7716, 0.2518, 0.3765** is the 20% darker color. If you saturate the color by 10%, you get **29.9107, 0.2604, 0.3737**, and if you desaturate by 10%, it is **31.8568, 0.2762, 0.3552**.

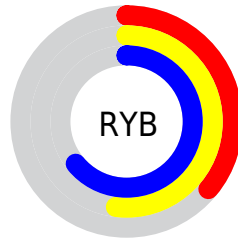
Distribution



Red (36%)

Green (64%)

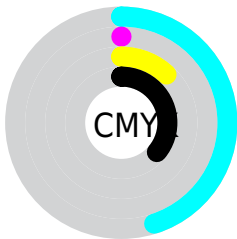
Blue (56%)



Red (36%)

Yellow (52%)

Blue (64%)

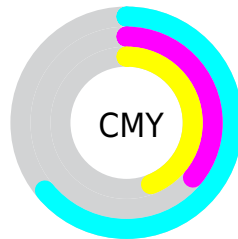


Cyan (45%)

Magenta (0%)

Yellow (12%)

Black (36%)



Cyan (64%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7887, 0.2676, 0.3642 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 30.7887, 0.2676, 0.3642 by changing the saturation by 10% instead.


 30.7887, 0.2676,
0.3642


 30.7887, 0.2676,
0.3642


305.5637, 0.2918,
0.3451

 20.4380, 0.2610,
0.3695


 60.9072, 0.2768,
0.3569

 12.7138, 0.2521,
0.3768


 81.4439, 0.2801,
0.3542

 7.2318, 0.2395,
0.3871

 106.1446, 0.2829,
0.3521

 3.6075, 0.2206,
0.4030

 135.3939, 0.2852,
0.3502

 1.4565, 0.1843,
0.4332

169.5760, 0.2872,
0.3487

 0.2578, 0.0000,
0.8372

209.0754, 0.2890,

 0.0000, 0.0000,

0.3473

0.0000

254.2765, 0.2905,
0.3461

■ 30.7887, 0.2676,
0.3642

■ 30.7887, 0.2676,
0.3642

■ 29.9107, 0.2604,
0.3737

■ 31.8568, 0.2762,
0.3552

■ 29.2071, 0.2549,
0.3836

■ 33.1222, 0.2859,
0.3468

■ 28.6655, 0.2511,
0.3937


■ 34.5964, 0.2965,
0.3390

■ 28.2705, 0.2493,
0.4039

■ 36.2887, 0.3076,
0.3320


■ 28.0032, 0.2494,
0.4140


■ 38.2080, 0.3190,
0.3256

 27.8851, 0.2499,
0.4196

 40.3625, 0.3306,
0.3199

 42.7603, 0.3421,
0.3148

 45.4088, 0.3533,
0.3104

 48.3153, 0.3643,
0.3065

Harmonies

Analogous

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



30.7887, 0.3087, 0.3991



30.7887, 0.2676, 0.3642



30.7887, 0.2397, 0.3198

Triad

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



30.7887, 0.2676, 0.3642



30.7887, 0.2696, 0.2576



30.7887, 0.4024, 0.3662

Complementary

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



30.7887, 0.2676, 0.3642



16.5236, 0.3948, 0.2976

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.



30.7887, 0.3912, 0.3303



30.7887, 0.2676, 0.3642



30.7887, 0.3116, 0.2704

Square

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



30.7887, 0.2676, 0.3642



30.7887, 0.2409, 0.2611



30.7887, 0.3569, 0.2963



30.7887, 0.3876, 0.3961

Rectangle

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



30.7887, 0.2676, 0.3642



30.7887, 0.2313, 0.2933



30.7887, 0.3569, 0.2963



30.7887, 0.4016, 0.3544

Sweetspot

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



30.7899, 0.2676, 0.3642



63.1615, 0.2978, 0.3381



30.7323, 0.3244, 0.4572



13.6754, 0.2955, 0.3397



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.



30.7899, 0.2676, 0.3642



54.3636, 0.2607, 0.3732



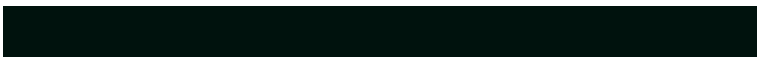
26.1434, 0.2492, 0.3012



7.9779, 0.3022, 0.3352



21.3877, 0.2496, 0.4186



0.4567, 0.2395, 0.3821

Inverse Universe

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



16.5236, 0.3948, 0.2976



25.2314, 0.4227, 0.2917



19.1259, 0.4157, 0.3544



7.1164, 0.3244, 0.3229



6.2039, 0.5805, 0.2971



0.1379, 0.4847, 0.2444

Previews

White Background



This preview shows how the Yxy color 30.7887, 0.2676, 0.3642 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 30.7887, 0.2676, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

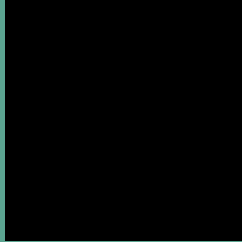
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7887, 0.2676, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 30.7887, 0.2676, 0.3642.



This preview shows how white text looks on a background with the Yxy color 30.7887, 0.2676, 0.3642.

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

30.7887, 0.2676, 0.3642

Protanopia

30.3404, 0.3327, 0.3493

Deuteranopia

30.3882, 0.3310, 0.3246



Tritanopia

30.8114, 0.2520, 0.3074

Trichromacy



Original Color

30.7887, 0.2676, 0.3642

Protanomaly

29.8808, 0.3047, 0.3538

Deuteranomaly

29.9663, 0.3034, 0.3370

Tritanomaly

30.5852, 0.2577, 0.3271

Monochromacy



Original Color

30.7887, 0.2676, 0.3642

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.5556, 0.2933, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7887, 0.2676, 0.3642 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(91, 164, 144)` looks like.

```
.text, #text, p{  
    color:rgb(91, 164, 144)  
}
```

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(91, 164, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 164, 144) }
```

Border

The CSS property to change the border of an element to Yxy 30.7887, 0.2676, 0.3642 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(91, 164, 144) }
```

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

```
.border{ border-color:rgb(91, 164, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 164, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 164, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 164, 144);  
box-shadow:4px 4px 4px 4px rgb(91, 164,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7887, 0.2676, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 164, 144) }
```

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

```
.background{ background-color: rgb(91, 164,  
144) }
```

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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