

Converting Colors

$Yxy(30.6004, 0.2722, 0.3829)$

Have a look what the booklet for
Yxy(30.6004, 0.2722, 0.3829)
contains.

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Color

Yxy(30.7342, 0.2722, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	58A587
RGB	88, 165, 135
RGB Percent	35%, 65%, 53%
CMY	0.6548, 0.3529, 0.4706
CMYK	0.47, 0.00, 0.18, 0.35
HSL	157°, 30%, 50%
HSV	157°, 47%, 65%
XYZ	21.8544, 30.7342, 27.6993
YIQ	138.5570, -36.2620, -25.6540

Conversions

Conversions Part 2

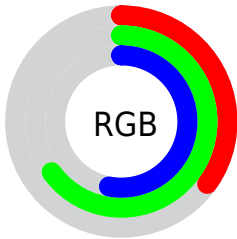
Format	Color
RYB	88, 136, 165
Decimal	5809543
CIELab	62.28, -31.11, 8.24
CIElCh	62, 32.183, 165.158
Yxy	30.7342, 0.2722, 0.3828
Android (android.graphics.Color)	4283999623 (0xFF58A587)
YUV	138.5570, -1.7536, -44.3385
Hunter-Lab	55.4384, -26.6509, 9.1832

Details

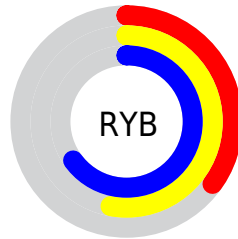
The Yxy color **30.7342, 0.2722, 0.3828** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2926, 0.3862, 0.2824**, and the grayscale version is **25.6600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5680, 0.2807, 0.3710**, and **12.7732, 0.2581, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **29.8432, 0.2663, 0.3969**, and if you desaturate by 10%, it is **31.8209, 0.2794, 0.3695**.

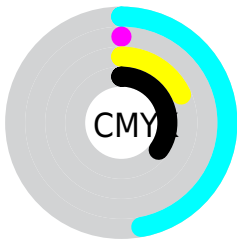
Distribution



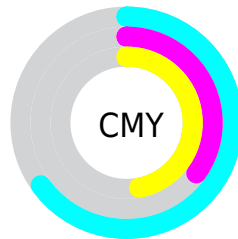
- Red (35%)
- Green (65%)
- Blue (53%)



- Red (35%)
- Yellow (53%)
- Blue (65%)



- Cyan (47%)
- Magenta (0%)
- Yellow (18%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7342, 0.2722, 0.3828 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 30.7342, 0.2722, 0.3828 by changing the saturation by 10% instead.


 30.7342, 0.2722,
0.3828

 30.7342, 0.2722,
0.3828


305.3119, 0.2943,
0.3531


 20.3965, 0.2660,
0.3913


 60.8214, 0.2807,
0.3713

 12.6836, 0.2576,
0.4030


 81.3396, 0.2837,
0.3672

 7.2110, 0.2456,
0.4200


 106.0202, 0.2863,
0.3638

 3.5944, 0.2270,
0.4469

 135.2475, 0.2884,
0.3610

 1.4494, 0.1846,
0.5021

169.4060, 0.2902,
0.3585

 0.2527, 0.0000,
1.0000

208.8799, 0.2917,

 0.0000, 0.0000,

0.3565

0.0000

254.0538, 0.2931,
0.3547

■ 30.7342, 0.2722,
0.3828

■ 30.7342, 0.2722,
0.3828

■ 29.8432, 0.2663,
0.3969

■ 31.8209, 0.2794,
0.3695

■ 29.1316, 0.2621,
0.4116

■ 33.1109, 0.2877,
0.3571

■ 28.5863, 0.2597,
0.4265


■ 34.6163, 0.2967,
0.3457


■ 28.1909, 0.2593,
0.4414

■ 36.3466, 0.3062,
0.3353

■ 27.9217, 0.2608,
0.4561

■ 38.3112, 0.3160,
0.3260

 27.8434, 0.2614,
0.4610

 40.5187, 0.3258,
0.3177

 42.9774, 0.3356,
0.3103

 45.6950, 0.3451,
0.3039

 48.6791, 0.3543,
0.2982

Harmonies

Analogous

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



30.7342, 0.3214, 0.4172



30.7342, 0.2722, 0.3828



30.7342, 0.2358, 0.3315

Triad

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



30.7342, 0.2722, 0.3828



30.7342, 0.2527, 0.2469



30.7342, 0.4156, 0.3597

Complementary

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



30.7342, 0.2722, 0.3828



16.2926, 0.3862, 0.2824

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.



30.7342, 0.3948, 0.3189



30.7342, 0.2722, 0.3828



30.7342, 0.2972, 0.2569

Square

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



30.7342, 0.2722, 0.3828



30.7342, 0.2256, 0.2557



30.7342, 0.3499, 0.2826



30.7342, 0.4058, 0.3971

Rectangle

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



30.7342, 0.2722, 0.3828



30.7342, 0.2226, 0.2988



30.7342, 0.3499, 0.2826



30.7342, 0.4120, 0.3461

Sweetspot

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



30.7354, 0.2722, 0.3828



62.6994, 0.2990, 0.3431



31.5243, 0.3331, 0.4606



13.5750, 0.2970, 0.3453



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.



30.7354, 0.2722, 0.3828



53.3935, 0.2661, 0.3974



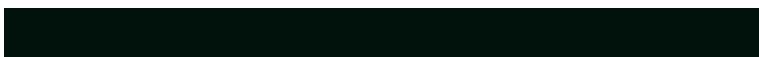
29.0093, 0.2494, 0.3156



7.9642, 0.3037, 0.3379



21.0739, 0.2610, 0.4595



0.4517, 0.2462, 0.4064

Inverse Universe

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



16.2926, 0.3862, 0.2824



24.2992, 0.4120, 0.2734



17.0205, 0.4300, 0.3414



7.1296, 0.3227, 0.3203



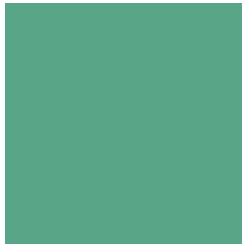
6.3437, 0.5373, 0.2734



0.1424, 0.4453, 0.2227

Previews

White Background



This preview shows how the Yxy color 30.7342, 0.2722, 0.3828 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 30.7342, 0.2722, 0.3828 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 30.7342, 0.2722, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 30.7342, 0.2722, 0.3828.



This preview shows how white text looks on a background with the Yxy color 30.7342, 0.2722, 0.3828.

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

30.7342, 0.2722, 0.3828

Protanopia

30.2963, 0.3439, 0.3633

Deuteranopia

30.4397, 0.3435, 0.3381



Tritanopia

30.7554, 0.2514, 0.3074

Trichromacy



Original Color

30.7342, 0.2722, 0.3828

Protanomaly

30.0409, 0.3137, 0.3707

Deuteranomaly

29.7804, 0.3126, 0.3518

Tritanomaly

30.7235, 0.2586, 0.3340

Monochromacy



Original Color

30.7342, 0.2722, 0.3828

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.0079, 0.2940, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7342, 0.2722, 0.3828 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(88, 165, 135)` looks like.

```
.text, #text, p{  
    color:rgb(88, 165, 135)  
}
```

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(88, 165, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 165, 135) }
```

Border

The CSS property to change the border of an element to Yxy 30.7342, 0.2722, 0.3828 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(88, 165, 135) }
```

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

```
.border{ border-color:rgb(88, 165, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 165, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 165, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 165, 135);  
box-shadow:4px 4px 4px 4px rgb(88, 165,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7342, 0.2722, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 165, 135) }
```

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

```
.background{ background-color: rgb(88, 165,  
135) }
```

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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