

Converting Colors

$Yxy(30.3867, 0.2616, 0.4393)$

Have a look what the booklet for
Yxy(30.3867, 0.2616, 0.4393)
contains.

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Color

Yxy(30.3044, 0.2612, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	22AA72
RGB	34, 170, 114
RGB Percent	13%, 67%, 45%
CMY	0.8665, 0.3333, 0.5530
CMYK	0.80, 0.00, 0.33, 0.33
HSL	155°, 67%, 40%
HSV	155°, 80%, 67%
XYZ	18.0719, 30.3044, 20.8118
YIQ	122.9520, -63.0800, -46.2480

Conversions

Conversions Part 2

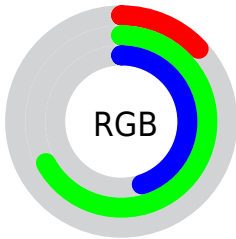
Format	Color
RYB	34, 120, 170
Decimal	2271858
CIELab	61.92, -48.33, 19.13
CIELCh	62, 51.979, 158.405
Yxy	30.3044, 0.2612, 0.4380
Android (android.graphics.Color)	4280461938 (0xFF22AA72)
YUV	122.9520, -4.4133, -78.0109
Hunter-Lab	55.0494, -37.7375, 16.1196

Details

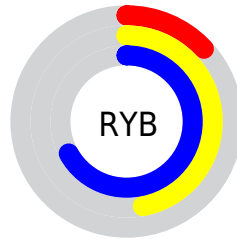
The Yxy color **30.3044, 0.2612, 0.4380** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.4321, 0.4734, 0.2600**, and the grayscale version is **19.8254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9707, 0.2726, 0.4133**, and **13.1159, 0.2646, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **29.9309, 0.2617, 0.4538**, and if you desaturate by 10%, it is **30.8354, 0.2627, 0.4221**.

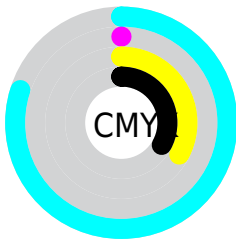
Distribution



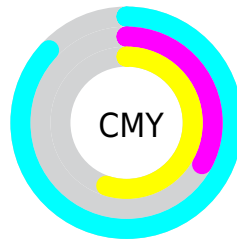
- Red (13%)
- Green (67%)
- Blue (45%)



- Red (13%)
- Yellow (47%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (33%)
- Black (33%)




- Cyan (87%)
- Magenta (33%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3044, 0.2612, 0.4380 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 30.3044, 0.2612, 0.4380 by changing the saturation by 10% instead.


 30.3044, 0.2612,
0.4380


 30.3044, 0.2612,
0.4380


 303.3208, 0.2905,
0.3760

 20.0698, 0.2525,
0.4565


 60.1432, 0.2728,
0.4134


 12.4458, 0.2404,
0.4822


 80.5162, 0.2769,
0.4048


 7.0480, 0.2223,
0.5205


 105.0374, 0.2802,
0.3978

 3.4922, 0.1933,
0.5823

 134.0913, 0.2829,
0.3920

 1.3937, 0.0472,
0.8897

 168.0621, 0.2853,
0.3871

 0.2121, 0.0000,
1.0000

 207.3344, 0.2872,

 0.0000, 0.0000,

0.3828

0.0000

252.2925, 0.2890,
0.3792

■ 30.3044, 0.2612,
0.4380

■ 30.3044, 0.2612,
0.4380

■ 29.9309, 0.2617,
0.4538

■ 30.8354, 0.2627,
0.4221

■ 29.6701, 0.2637,
0.4691

■ 31.5391, 0.2662,
0.4063

■ 29.6695, 0.2637,
0.4692

■ 32.4328, 0.2713,
0.3911

■ 33.5307, 0.2779,
0.3766

■ 34.8455, 0.2856,
0.3631

■ 36.3890, 0.2942,
0.3506

■ 38.1719, 0.3033,
0.3392

■ 40.2045, 0.3127,
0.3290

■ 42.4962, 0.3223,
0.3198

Harmonies

Analogous

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



30.3044, 0.3390, 0.4831



30.3044, 0.2612, 0.4380



30.3044, 0.2018, 0.3495

Triad

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



30.3044, 0.2612, 0.4380



30.3044, 0.2076, 0.2043



30.3044, 0.4756, 0.3550

Complementary

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



30.3044, 0.2612, 0.4380



10.4321, 0.4734, 0.2600

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.



30.3044, 0.4322, 0.2966



30.3044, 0.2612, 0.4380



30.3044, 0.2685, 0.2145

Square

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



30.3044, 0.2612, 0.4380



30.3044, 0.1758, 0.2205



30.3044, 0.3516, 0.2472



30.3044, 0.4661, 0.4153

Rectangle

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



30.3044, 0.2612, 0.4380



30.3044, 0.1791, 0.2924



30.3044, 0.3516, 0.2472



30.3044, 0.4669, 0.3350

Sweetspot

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



30.3056, 0.2612, 0.4380



64.7205, 0.2903, 0.3560



31.0745, 0.3351, 0.5496



14.2202, 0.2873, 0.3604



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.3056, 0.2612, 0.4380



53.9442, 0.2633, 0.4657



27.9269, 0.2238, 0.3084



8.4790, 0.3040, 0.3385



21.8360, 0.2632, 0.4675



0.5411, 0.2490, 0.4163

Inverse Universe

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



10.4321, 0.4734, 0.2600



16.5546, 0.5248, 0.2688



10.5675, 0.5748, 0.3408



7.5916, 0.3224, 0.3197



6.6228, 0.5287, 0.2686



0.1714, 0.4448, 0.2224

Previews

White Background



This preview shows how the Yxy color 30.3044, 0.2612, 0.4380 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 30.3044, 0.2612, 0.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

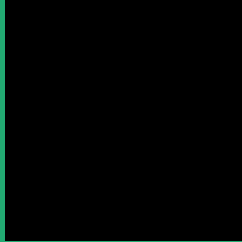
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3044, 0.2612, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 30.3044, 0.2612, 0.4380.



This preview shows how white text looks on a background with the Yxy color 30.3044, 0.2612, 0.4380.

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

30.3044, 0.2612, 0.4380

Protanopia

29.6733, 0.3688, 0.3959

Deuteranopia

29.8852, 0.3701, 0.3633



Tritanopia

30.0941, 0.2333, 0.3066

Trichromacy



Original Color

30.3044, 0.2612, 0.4380



Protanomaly

28.4371, 0.3143, 0.4151



Deuteranomaly

28.2280, 0.3138, 0.3904



Tritanomaly

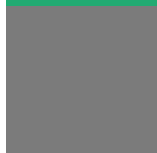
29.9944, 0.2423, 0.3506

Monochromacy



Original Color

30.3044, 0.2612, 0.4380



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.3364, 0.2819, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3044, 0.2612, 0.4380 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(34, 170, 114)` looks like.

```
.text, #text, p{  
  color:rgb(34, 170, 114)  
}
```

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(34, 170, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 170, 114) }
```

Border

The CSS property to change the border of an element to Yxy 30.3044, 0.2612, 0.4380 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(34, 170, 114) }
```

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

```
.border{ border-color:rgb(34, 170, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 170, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 170, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 170, 114);  
box-shadow:4px 4px 4px 4px rgb(34, 170,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3044, 0.2612, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 170, 114) }
```

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

```
.background{ background-color: rgb(34, 170,  
114) }
```

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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