

Converting Colors

$Yxy(30.6950, 0.2784, 0.4332)$

Have a look what the booklet for
Yxy(30.6950, 0.2784, 0.4332)
contains.

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Color

Yxy(30.5752, 0.2779, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	48A871
RGB	72, 168, 113
RGB Percent	28%, 66%, 44%
CMY	0.7178, 0.3412, 0.5567
CMYK	0.57, 0.00, 0.33, 0.34
HSL	146°, 40%, 47%
HSV	146°, 57%, 66%
XYZ	19.6550, 30.5752, 20.4966
YIQ	133.0260, -39.5610, -37.4570

Conversions

Conversions Part 2

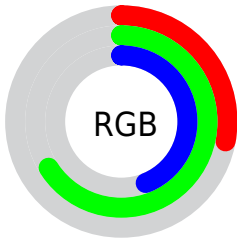
Format	Color
RYB	72, 139, 168
Decimal	4761713
CIELab	62.15, -41.17, 20.11
CIELCh	62, 45.818, 153.960
Yxy	30.5752, 0.2779, 0.4323
Android (android.graphics.Color)	4282951793 (0xFF48A871)
YUV	133.0260, -9.8728, -53.5198
Hunter-Lab	55.2948, -33.3168, 16.7288

Details

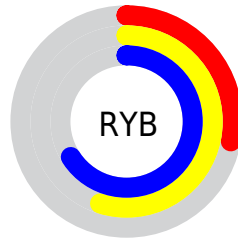
The Yxy color **30.5752, 0.2779, 0.4323** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.4864, 0.3813, 0.2478**, and the grayscale version is **23.5110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6171, 0.2861, 0.4095**, and **12.6431, 0.2644, 0.4718** is the 20% darker color. If you saturate the color by 10%, you get **29.8116, 0.2752, 0.4544**, and if you desaturate by 10%, it is **31.5406, 0.2821, 0.4109**.

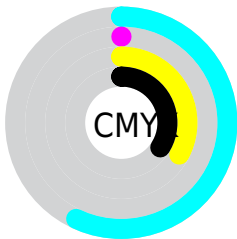
Distribution



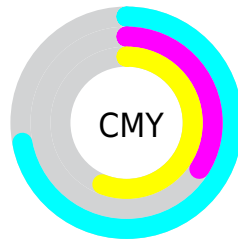
- Red (28%)
- Green (66%)
- Blue (44%)



- Red (28%)
- Yellow (55%)
- Blue (66%)



- Cyan (57%)
- Magenta (0%)
- Yellow (33%)
- Black (34%)





- Cyan (72%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5752, 0.2779, 0.4323 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 30.5752, 0.2779, 0.4323 by changing the saturation by 10% instead.


 30.5752, 0.2779,
0.4323


 30.5752, 0.2779,
0.4323


304.5765, 0.2981,
0.3738

 20.2756, 0.2717,
0.4496


 60.5706, 0.2861,
0.4092


 12.5955, 0.2628,
0.4737


 81.0353, 0.2889,
0.4011

 7.1506, 0.2494,
0.5094


 105.6570, 0.2911,
0.3944

 3.5565, 0.2269,
0.5667

 134.8203, 0.2930,
0.3889

 1.4287, 0.1552,
0.8118

 168.9095, 0.2946,
0.3843

 0.2377, 0.0000,
1.0000

208.3090, 0.2960,

 0.0000, 0.0000,

0.3803

0.0000

253.4032, 0.2971,
0.3768

■ 30.5752, 0.2779,
0.4323

■ 30.5752, 0.2779,
0.4323

■ 29.8116, 0.2752,
0.4544

■ 31.5406, 0.2821,
0.4109

■ 29.2306, 0.2743,
0.4764

■ 32.7180, 0.2874,
0.3906

■ 28.8157, 0.2752,
0.4977

■ 34.1210, 0.2937,
0.3717

■ 28.5399, 0.2778,
0.5176

■ 35.7611, 0.3005,
0.3546

■ 28.4728, 0.2786,
0.5230

■ 37.6491, 0.3076,
0.3391

■ 39.7951, 0.3148,
0.3253

■ 42.2084, 0.3219,
0.3130

■ 44.8981, 0.3289,
0.3023

■ 47.8728, 0.3356,
0.2928

Harmonies

Analogous

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



30.5752, 0.3483, 0.4645



30.5752, 0.2779, 0.4323



30.5752, 0.2207, 0.3596

Triad

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



30.5752, 0.2779, 0.4323



30.5752, 0.2128, 0.2177



30.5752, 0.4535, 0.3462

Complementary

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



30.5752, 0.2779, 0.4323



14.4864, 0.3813, 0.2478

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.



30.5752, 0.4088, 0.2936



30.5752, 0.2779, 0.4323



30.5752, 0.2644, 0.2233

Square

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



30.5752, 0.2779, 0.4323



30.5752, 0.1876, 0.2374



30.5752, 0.3361, 0.2502



30.5752, 0.4532, 0.4007

Rectangle

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



30.5752, 0.2779, 0.4323



30.5752, 0.1968, 0.3083



30.5752, 0.3361, 0.2502



30.5752, 0.4432, 0.3281

Sweetspot

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



30.5764, 0.2779, 0.4323



64.8425, 0.3004, 0.3548



33.0629, 0.3521, 0.4836



14.0024, 0.2990, 0.3579



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.



30.5764, 0.2779, 0.4323



53.7327, 0.2747, 0.4612



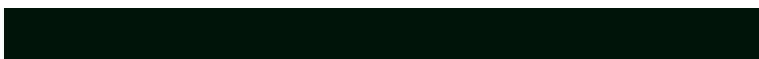
31.9217, 0.2471, 0.3427



8.4590, 0.3060, 0.3422



21.5100, 0.2781, 0.5212



0.5337, 0.2594, 0.4537

Inverse Universe

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



14.4864, 0.3813, 0.2478



21.5920, 0.4054, 0.2350



13.5344, 0.4675, 0.3178



7.6116, 0.3200, 0.3162



6.9371, 0.4624, 0.2321



0.1787, 0.4044, 0.2002

Previews

White Background



This preview shows how the Yxy color 30.5752, 0.2779, 0.4323 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 30.5752, 0.2779, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

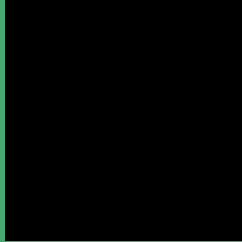
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5752, 0.2779, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 30.5752, 0.2779, 0.4323.



This preview shows how white text looks on a background with the Yxy color 30.5752, 0.2779, 0.4323.

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

30.5752, 0.2779, 0.4323

Protanopia

30.0919, 0.3694, 0.3971

Deuteranopia

29.9755, 0.3723, 0.3646



Tritanopia

30.3324, 0.2463, 0.3071

Trichromacy



Original Color

30.5752, 0.2779, 0.4323



Protanomaly

29.5268, 0.3293, 0.4111



Deuteranomaly

29.0592, 0.3303, 0.3877



Tritanomaly

30.2678, 0.2573, 0.3501

Monochromacy



Original Color

30.5752, 0.2779, 0.4323



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

25.4436, 0.2959, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5752, 0.2779, 0.4323 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(72, 168, 113)` looks like.

```
.text, #text, p{  
  color:rgb(72, 168, 113)  
}
```

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(72, 168, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 168, 113) }
```

Border

The CSS property to change the border of an element to Yxy 30.5752, 0.2779, 0.4323 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(72, 168, 113) }
```

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

```
.border{ border-color:rgb(72, 168, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 168, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 168, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 168, 113);  
box-shadow:4px 4px 4px 4px rgb(72, 168,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5752, 0.2779, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 168, 113) }
```

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

```
.background{ background-color: rgb(72, 168,  
113) }
```

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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