

Converting Colors

$Y_{xy}(30.1761, 0.2568, 0.4220)$

Have a look what the booklet for
Yxy(30.1761, 0.2568, 0.4220)
contains.

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Color

Yxy(30.1137, 0.2568, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	23A979
RGB	35, 169, 121
RGB Percent	14%, 66%, 47%
CMY	0.8631, 0.3372, 0.5255
CMYK	0.79, 0.00, 0.28, 0.34
HSL	159°, 66%, 40%
HSV	159°, 79%, 66%
XYZ	18.3295, 30.1137, 22.9332
YIQ	123.4620, -64.4560, -43.3360

Conversions

Conversions Part 2

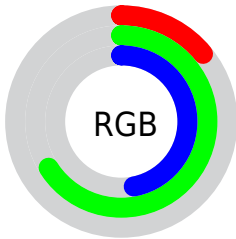
Format	Color
RYB	35, 117, 169
Decimal	2337145
CIELab	61.75, -46.27, 15.06
CIELCh	62, 48.655, 161.970
Yxy	30.1137, 0.2568, 0.4219
Android (android.graphics.Color)	4280527225 (0xFF23A979)
YUV	123.4620, -1.2138, -77.5812
Hunter-Lab	54.8760, -36.4110, 13.6353

Details

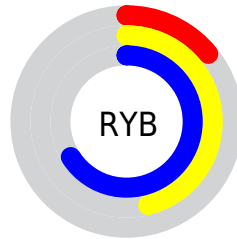
The Yxy color **30.1137, 0.2568, 0.4219** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.2558, 0.4881, 0.2703**, and the grayscale version is **19.9795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7511, 0.2693, 0.4016**, and **12.9587, 0.2591, 0.4529** is the 20% darker color. If you saturate the color by 10%, you get **29.7440, 0.2567, 0.4355**, and if you desaturate by 10%, it is **30.6373, 0.2589, 0.4082**.

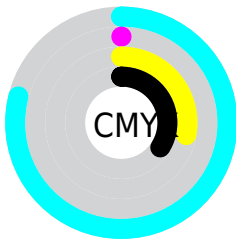
Distribution



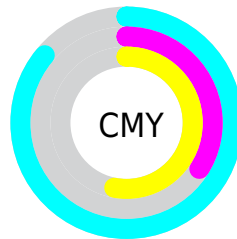
- Red (14%)
- Green (66%)
- Blue (47%)



- Red (14%)
- Yellow (46%)
- Blue (66%)



- Cyan (79%)
- Magenta (0%)
- Yellow (28%)
- Black (34%)





- Cyan (86%)
- Magenta (34%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1137, 0.2568, 0.4219 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 30.1137, 0.2568, 0.4219 by changing the saturation by 10% instead.


 30.1137, 0.2568,
0.4219


 30.1137, 0.2568,
0.4219


 302.4341, 0.2879,
0.3694


 19.9249, 0.2478,
0.4374

 59.8419, 0.2690,
0.4012


 12.3405, 0.2354,
0.4590


 80.1502, 0.2733,
0.3939

 6.9760, 0.2174,
0.4910


 104.6004, 0.2768,
0.3880

 3.4471, 0.1891,
0.5426

 133.5769, 0.2798,
0.3830

 1.3694, 0.0582,
0.7441

 167.4641, 0.2823,
0.3788

 0.1940, 0.0000,
1.0000

 206.6464, 0.2844,

 0.0000, 0.0000,

0.3752

0.0000

251.5083, 0.2863,
0.3721

■ 30.1137, 0.2568,
0.4219

■ 30.1137, 0.2568,
0.4219

■ 29.7440, 0.2567,
0.4355

■ 30.6373, 0.2589,
0.4082

■ 29.4878, 0.2582,
0.4490

■ 31.3296, 0.2629,
0.3947

■ 29.4721, 0.2583,
0.4498

■ 32.2072, 0.2686,
0.3817

■ 33.2840, 0.2758,
0.3693

■ 34.5725, 0.2841,
0.3577

■ 36.0839, 0.2934,
0.3470

■ 37.8289, 0.3032,
0.3373

■ 39.8174, 0.3134,
0.3285

■ 42.0586, 0.3237,
0.3206

Harmonies

Analogous

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



30.1137, 0.3295, 0.4709



30.1137, 0.2568, 0.4219



30.1137, 0.2032, 0.3385

Triad

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



30.1137, 0.2568, 0.4219



30.1137, 0.2188, 0.2106



30.1137, 0.4674, 0.3616

Complementary

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



30.1137, 0.2568, 0.4219



10.2558, 0.4881, 0.2703

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.



30.1137, 0.4320, 0.3052



30.1137, 0.2568, 0.4219



30.1137, 0.2799, 0.2230

Square

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



30.1137, 0.2568, 0.4219



30.1137, 0.1849, 0.2233



30.1137, 0.3593, 0.2564



30.1137, 0.4537, 0.4184

Rectangle

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



30.1137, 0.2568, 0.4219



30.1137, 0.1838, 0.2869



30.1137, 0.3593, 0.2564



30.1137, 0.4611, 0.3424

Sweetspot

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



30.1149, 0.2568, 0.4219



63.1906, 0.2886, 0.3524



30.3881, 0.3299, 0.5522



13.5768, 0.2855, 0.3561



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.



30.1149, 0.2568, 0.4219



52.9259, 0.2578, 0.4454



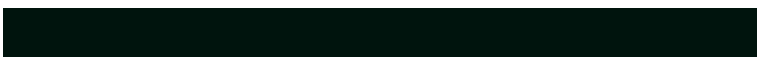
25.3950, 0.2208, 0.2961



8.4858, 0.3033, 0.3372



21.9737, 0.2579, 0.4484



0.5439, 0.2456, 0.4041

Inverse Universe

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



10.2558, 0.4881, 0.2703



16.0100, 0.5429, 0.2796



11.0836, 0.5640, 0.3486



7.5850, 0.3232, 0.3209



6.5432, 0.5502, 0.2805



0.1690, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 30.1137, 0.2568, 0.4219 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 30.1137, 0.2568, 0.4219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

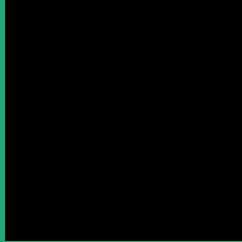
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1137, 0.2568, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 30.1137, 0.2568, 0.4219.



This preview shows how white text looks on a background with the Yxy color 30.1137, 0.2568, 0.4219.

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

30.1137, 0.2568, 0.4219

Protanopia

29.6984, 0.3616, 0.3869

Deuteranopia

29.4244, 0.3595, 0.3516



Tritanopia

30.0258, 0.2325, 0.3065

Trichromacy



Original Color

30.1137, 0.2568, 0.4219



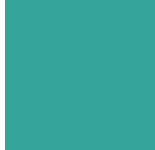
Protanomaly

28.5921, 0.3083, 0.4022



Deuteranomaly

28.0021, 0.3066, 0.3763



Tritanomaly

30.0337, 0.2407, 0.3469

Monochromacy



Original Color

30.1137, 0.2568, 0.4219



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.3855, 0.2801, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1137, 0.2568, 0.4219 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(35, 169, 121)` looks like.

```
.text, #text, p{  
    color:rgb(35, 169, 121)  
}
```

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(35, 169, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 169, 121) }
```

Border

The CSS property to change the border of an element to Yxy 30.1137, 0.2568, 0.4219 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(35, 169, 121) }
```

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

```
.border{ border-color:rgb(35, 169, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 169, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 169, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 169, 121);  
box-shadow:4px 4px 4px 4px rgb(35, 169,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1137, 0.2568, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 169, 121) }
```

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

```
.background{ background-color: rgb(35, 169,  
121) }
```

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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