

Converting Colors

$Y_{xy}(32.2878, 0.2568, 0.4371)$

Have a look what the booklet for
Yxy(32.2878, 0.2568, 0.4371)
contains.

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Color

Yxy(32.1110, 0.2565, 0.4360)

Conversions

Conversions Part 1

Format	Color
Hex	11AF77
RGB	17, 175, 119
RGB Percent	7%, 69%, 47%
CMY	0.9329, 0.3137, 0.5334
CMYK	0.90, 0.00, 0.32, 0.31
HSL	159°, 82%, 38%
HSV	159°, 90%, 69%
XYZ	18.8910, 32.1110, 22.6471
YIQ	121.3740, -76.1920, -50.9120

Conversions

Conversions Part 2

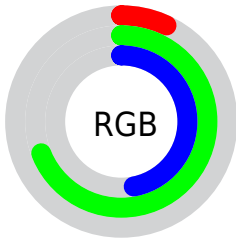
Format	Color
RYB	17, 113, 175
Decimal	1159031
CIELab	63.43, -50.60, 18.46
CIELCh	63, 53.858, 159.959
Yxy	32.1110, 0.2565, 0.4360
Android (android.graphics.Color)	4279349111 (0xFF11AF77)
YUV	121.3740, -1.1704, -91.5360
Hunter-Lab	56.6666, -39.6598, 15.9710

Details

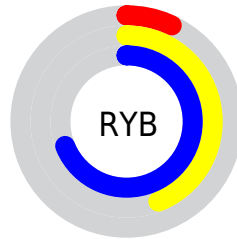
The Yxy color **32.1110, 0.2565, 0.4360** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.0013, 0.5253, 0.2752**, and the grayscale version is **19.2807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1949, 0.2691, 0.4133**, and **14.1169, 0.2634, 0.4681** is the 20% darker color. If you saturate the color by 10%, you get **31.8509, 0.2581, 0.4490**, and if you desaturate by 10%, it is **32.4967, 0.2564, 0.4225**.

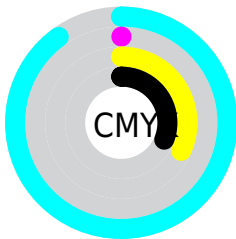
Distribution



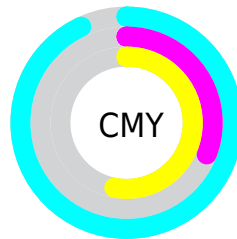
- Red (7%)
- Green (69%)
- Blue (47%)



- Red (7%)
- Yellow (44%)
- Blue (69%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (31%)





- Cyan (93%)
- Magenta (31%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1110, 0.2565, 0.4360 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 32.1110, 0.2565, 0.4360 by changing the saturation by 10% instead.


 32.1110, 0.2565,
0.4360


 32.1110, 0.2565,
0.4360


311.6246, 0.2879,
0.3757


 21.4463, 0.2474,
0.4537


 62.9851, 0.2688,
0.4123

 13.4506, 0.2349,
0.4782


 83.9632, 0.2731,
0.4039

 7.7396, 0.2167,
0.5141


 109.1480, 0.2767,
0.3971

 3.9288, 0.1881,
0.5713

 138.9237, 0.2797,
0.3914

 1.6338, 0.0833,
0.7630

 173.6749, 0.2822,
0.3866

 0.3802, 0.0000,
1.0000

 213.7858, 0.2844,

 0.0000, 0.0000,

0.3824

0.0000

259.6409, 0.2863,
0.3789

■ 32.1110, 0.2565,
0.4360

■ 32.1110, 0.2565,
0.4360

■ 31.8509, 0.2581,
0.4490

■ 32.4967, 0.2564,
0.4225

■ 33.0432, 0.2583,
0.4089

■ 33.7719, 0.2622,
0.3955

■ 34.7002, 0.2678,
0.3825

■ 35.8432, 0.2749,
0.3701

■ 37.2146, 0.2832,
0.3585

■ 38.8269, 0.2924,
0.3478

■ 40.6916, 0.3023,
0.3380

■ 42.8195, 0.3125,
0.3292

Harmonies

Analogous

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



32.1110, 0.3349, 0.4850



32.1110, 0.2565, 0.4360



32.1110, 0.1978, 0.3448

Triad

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



32.1110, 0.2565, 0.4360



32.1110, 0.2086, 0.2025



32.1110, 0.4790, 0.3582

Complementary

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



32.1110, 0.2565, 0.4360



10.0013, 0.5253, 0.2752

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.



32.1110, 0.4376, 0.2989



32.1110, 0.2565, 0.4360



32.1110, 0.2717, 0.2142

Square

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



32.1110, 0.2565, 0.4360



32.1110, 0.1749, 0.2173



32.1110, 0.3568, 0.2482



32.1110, 0.4664, 0.4192

Rectangle

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



32.1110, 0.2565, 0.4360



32.1110, 0.1761, 0.2876



32.1110, 0.3568, 0.2482



32.1110, 0.4712, 0.3379

Sweetspot

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



32.1123, 0.2565, 0.4360



67.4004, 0.2856, 0.3555



32.1975, 0.3256, 0.5717



14.7793, 0.2827, 0.3592



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.1123, 0.2565, 0.4360



56.9993, 0.2587, 0.4512



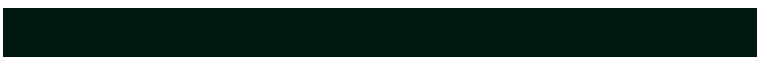
26.3100, 0.2158, 0.2909



9.0231, 0.3032, 0.3372



22.8209, 0.2576, 0.4475



0.6447, 0.2464, 0.4071

Inverse Universe

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



10.0013, 0.5253, 0.2752



16.9098, 0.5592, 0.2854



10.5516, 0.6033, 0.3445



8.0605, 0.3233, 0.3210



6.7874, 0.5518, 0.2814



0.1994, 0.4681, 0.2353

Previews

White Background



This preview shows how the Yxy color 32.1110, 0.2565, 0.4360 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 32.1110, 0.2565, 0.4360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

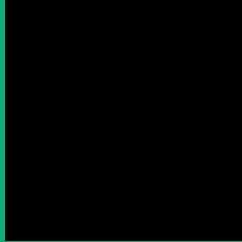
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1110, 0.2565, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 32.1110, 0.2565, 0.4360.



This preview shows how white text looks on a background with the Yxy color 32.1110, 0.2565, 0.4360.

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

32.1110, 0.2565, 0.4360

Protanopia

31.4531, 0.3674, 0.3944

Deuteranopia

31.6952, 0.3676, 0.3611



Tritanopia

31.9978, 0.2305, 0.3054

Trichromacy



Original Color

32.1110, 0.2565, 0.4360



Protanomaly

29.7134, 0.3070, 0.4126



Deuteranomaly

29.4659, 0.3062, 0.3882



Tritanomaly

31.7989, 0.2386, 0.3501

Monochromacy



Original Color

32.1110, 0.2565, 0.4360



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.2448, 0.2751, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1110, 0.2565, 0.4360 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(17, 175, 119)` looks like.

```
.text, #text, p{  
    color:rgb(17, 175, 119)  
}
```

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(17, 175, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 175, 119) }
```

Border

The CSS property to change the border of an element to Yxy 32.1110, 0.2565, 0.4360 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(17, 175, 119) }
```

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

```
.border{ border-color:rgb(17, 175, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 175, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 175, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 175, 119);  
box-shadow:4px 4px 4px 4px rgb(17, 175,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1110, 0.2565, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 175, 119) }
```

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

```
.background{ background-color: rgb(17, 175,  
119) }
```

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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