

Converting Colors

$Yxy(30.4907, 0.2480, 0.4024)$

Have a look what the booklet for
Yxy(30.4907, 0.2480, 0.4024)
contains.

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Color

Yxy(30.5587, 0.2482, 0.4035)

Conversions

Conversions Part 1

Format	Color
Hex	16AA83
RGB	22, 170, 131
RGB Percent	9%, 67%, 51%
CMY	0.9148, 0.3333, 0.4863
CMYK	0.87, 0.00, 0.23, 0.33
HSL	164°, 77%, 38%
HSV	164°, 87%, 67%
XYZ	18.7972, 30.5587, 26.3782
YIQ	121.3020, -75.6890, -43.5050

Conversions

Conversions Part 2

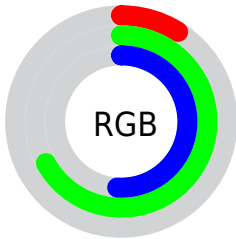
Format	Color
RYB	22, 107, 170
Decimal	1485443
CIELab	62.13, -45.47, 10.03
CIELCh	62, 46.566, 167.556
Yxy	30.5587, 0.2482, 0.4035
Android (android.graphics.Color)	4279675523 (0xFF16AA83)
YUV	121.3020, 4.7811, -87.0879
Hunter-Lab	55.2799, -36.0433, 10.4043

Details

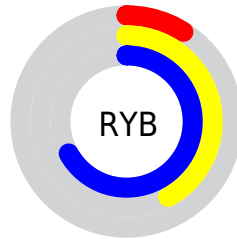
The Yxy color **30.5587, 0.2482, 0.4035** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.4444, 0.5461, 0.2914**, and the grayscale version is **19.1989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4501, 0.2618, 0.3870**, and **13.3318, 0.2514, 0.4252** is the 20% darker color. If you saturate the color by 10%, you get **30.3043, 0.2486, 0.4132**, and if you desaturate by 10%, it is **30.9423, 0.2495, 0.3937**.

Distribution



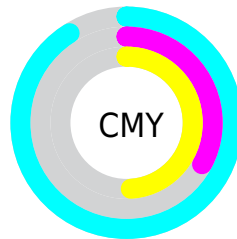
- Red (9%)
- Green (67%)
- Blue (51%)



- Red (9%)
- Yellow (42%)
- Blue (67%)



- Cyan (87%)
- Magenta (0%)
- Yellow (23%)
- Black (33%)




- Cyan (91%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5587, 0.2482, 0.4035 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 30.5587, 0.2482, 0.4035 by changing the saturation by 10% instead.


 30.5587, 0.2482,
0.4035


 30.5587, 0.2482,
0.4035

304.5001, 0.2833,
0.3620


 20.2630, 0.2384,
0.4155


 60.5446, 0.2617,
0.3873


 12.5864, 0.2252,
0.4320


 81.0037, 0.2665,
0.3816


 7.1444, 0.2064,
0.4562


 105.6193, 0.2705,
0.3768

 3.5525, 0.1779,
0.4945

 134.7759, 0.2739,
0.3729

 1.4266, 0.0708,
0.6060

 168.8579, 0.2768,
0.3696

 0.2362, 0.0000,
1.0000

 208.2497, 0.2793,

 0.0000, 0.0000,

0.3667

0.0000

253.3356, 0.2814,
0.3642

■ 30.5587, 0.2482,
0.4035

■ 30.5587, 0.2482,
0.4035

■ 30.3043, 0.2486,
0.4132

■ 30.9423, 0.2495,
0.3937

■ 30.2419, 0.2489,
0.4159

■ 31.4783, 0.2528,
0.3840

■ 32.1858, 0.2579,
0.3745

■ 33.0800, 0.2648,
0.3652

■ 34.1744, 0.2731,
0.3565

■ 35.4813, 0.2827,
0.3482

■ 37.0121, 0.2932,
0.3406

■ 38.7771, 0.3044,
0.3336

■ 40.7862, 0.3159,
0.3273

Harmonies

Analogous

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



30.5587, 0.3158, 0.4589



30.5587, 0.2482, 0.4035



30.5587, 0.2014, 0.3238

Triad

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



30.5587, 0.2482, 0.4035



30.5587, 0.2319, 0.2158



30.5587, 0.4614, 0.3714

Complementary

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



30.5587, 0.2482, 0.4035



9.4444, 0.5461, 0.2914

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.



30.5587, 0.4360, 0.3164



30.5587, 0.2482, 0.4035



30.5587, 0.2948, 0.2318

Square

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



30.5587, 0.2482, 0.4035



30.5587, 0.1940, 0.2235



30.5587, 0.3716, 0.2673



30.5587, 0.4408, 0.4247

Rectangle

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



30.5587, 0.2482, 0.4035



30.5587, 0.1862, 0.2775



30.5587, 0.3716, 0.2673



30.5587, 0.4582, 0.3529

Sweetspot

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



30.5599, 0.2482, 0.4035



64.5625, 0.2835, 0.3476



29.8112, 0.3171, 0.5744



14.2080, 0.2801, 0.3503



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.



30.5599, 0.2482, 0.4035



54.8245, 0.2493, 0.4176



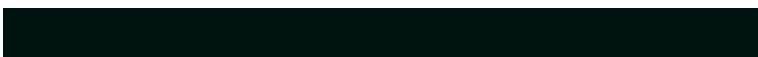
20.5126, 0.2091, 0.2631



8.4978, 0.3021, 0.3350



22.2523, 0.2486, 0.4148



0.5491, 0.2397, 0.3830

Inverse Universe

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



9.4444, 0.5461, 0.2914



15.8152, 0.5916, 0.3033



11.4635, 0.5741, 0.3626



7.5735, 0.3246, 0.3231



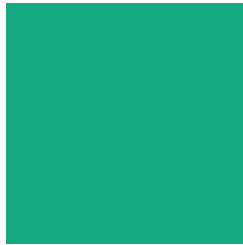
6.4325, 0.5846, 0.2994



0.1647, 0.4944, 0.2497

Previews

White Background



This preview shows how the Yxy color 30.5587, 0.2482, 0.4035 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 30.5587, 0.2482, 0.4035 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 30.5587, 0.2482, 0.4035

Background



This preview shows how black text looks on a background with the Yxy color 30.5587, 0.2482, 0.4035.



This preview shows how white text looks on a background with the Yxy color 30.5587, 0.2482, 0.4035.

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

30.5587, 0.2482, 0.4035

Protanopia

30.1445, 0.3500, 0.3728

Deuteranopia

30.0775, 0.3459, 0.3396



Tritanopia

30.5660, 0.2291, 0.3066

Trichromacy



Original Color

30.5587, 0.2482, 0.4035



Protanomaly

28.7828, 0.2944, 0.3862



Deuteranomaly

28.1766, 0.2921, 0.3605



Tritanomaly

30.3460, 0.2352, 0.3395

Monochromacy



Original Color

30.5587, 0.2482, 0.4035



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.8772, 0.2721, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5587, 0.2482, 0.4035 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(22, 170, 131)` looks like.

```
.text, #text, p{  
    color:rgb(22, 170, 131)  
}
```

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(22, 170, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 170, 131) }
```

Border

The CSS property to change the border of an element to Yxy 30.5587, 0.2482, 0.4035 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(22, 170, 131) }
```

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

```
.border{ border-color:rgb(22, 170, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 170, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 170, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 170, 131);  
box-shadow:4px 4px 4px 4px rgb(22, 170,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5587, 0.2482, 0.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 170, 131) }
```

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

```
.background{ background-color: rgb(22, 170,  
131) }
```

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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