

Converting Colors

$Yxy(27.1452, 0.2481, 0.4132)$

Have a look what the booklet for
Yxy(27.1452, 0.2481, 0.4132)
contains.

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Color

Yxy(27.1967, 0.2484, 0.4142)

Conversions

Conversions Part 1

Format	Color
Hex	00A278
RGB	0, 162, 120
RGB Percent	0%, 64%, 47%
CMY	0.9998, 0.3647, 0.5295
CMYK	1.00, 0.00, 0.26, 0.36
HSL	164°, 100%, 32%
HSV	164°, 100%, 64%
XYZ	16.3101, 27.1967, 22.1540
YIQ	108.7740, -83.0700, -47.4060

Conversions

Conversions Part 2

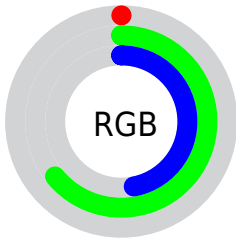
Format	Color
RYB	0, 93, 162
Decimal	41592
CIELab	59.16, -46.10, 11.95
CIELCh	59, 47.621, 165.471
Yxy	27.1967, 0.2484, 0.4142
Android (android.graphics.Color)	4278231672 (0xFF00A278)
YUV	108.7740, 5.5344, -95.3948
Hunter-Lab	52.1505, -35.4371, 11.3184

Details

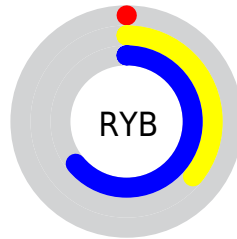
The Yxy color **27.1967, 0.2484, 0.4142** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.8508, 0.5875, 0.3011**, and the grayscale version is **15.2327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2950, 0.2628, 0.3955**, and **11.3922, 0.2559, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **27.1970, 0.2484, 0.4142**, and if you desaturate by 10%, it is **27.4142, 0.2478, 0.4047**.

Distribution



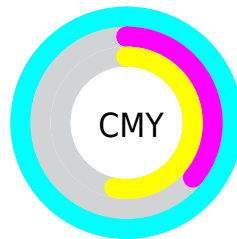
- Red (0%)
- Green (64%)
- Blue (47%)



- Red (0%)
- Yellow (36%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (36%)




- Cyan (100%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1967, 0.2484, 0.4142 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 27.1967, 0.2484, 0.4142 by changing the saturation by 10% instead.


 27.1967, 0.2484,
0.4142


 27.1967, 0.2484,
0.4142


288.6082, 0.2843,
0.3656


 17.7210, 0.2380,
0.4288


 55.1993, 0.2624,
0.3949

 10.7499, 0.2237,
0.4493


 74.4951, 0.2674,
0.3881


 5.8989, 0.2028,
0.4801

 97.8330, 0.2715,
0.3827

 2.7837, 0.1700,
0.5309

 125.5974, 0.2749,
0.3781

 1.0199, 0.0000,
0.7916

 158.1727, 0.2778,
0.3742

 0.0000, 0.0000,
0.0000

 195.9434, 0.2803,

0.3710

239.2938, 0.2824,
0.3681

■ 27.1967, 0.2484,
0.4142

■ 27.1967, 0.2484,
0.4142

■ 27.1970, 0.2484,
0.4142

■ 27.4142, 0.2478,
0.4047

■ 27.7251, 0.2487,
0.3951

■ 28.1686, 0.2515,
0.3856

■ 28.7612, 0.2562,
0.3761

■ 29.5170, 0.2627,
0.3670

■ 30.4483, 0.2707,
0.3583

■ 31.5663, 0.2800,
0.3500

■ 32.8813, 0.2903,
0.3424

■ 34.4026, 0.3013,
0.3354

Harmonies

Analogous

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



27.1967, 0.3206, 0.4701



27.1967, 0.2484, 0.4142



27.1967, 0.1975, 0.3287

Triad

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



27.1967, 0.2484, 0.4142



27.1967, 0.2236, 0.2096



27.1967, 0.4702, 0.3685

Complementary

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



27.1967, 0.2484, 0.4142



7.8508, 0.5875, 0.3011

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.



27.1967, 0.4402, 0.3112



27.1967, 0.2484, 0.4142



27.1967, 0.2882, 0.2248

Square

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



27.1967, 0.2484, 0.4142



27.1967, 0.1861, 0.2192



27.1967, 0.3694, 0.2607



27.1967, 0.4507, 0.4254

Rectangle

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



27.1967, 0.2484, 0.4142



27.1967, 0.1804, 0.2783



27.1967, 0.3694, 0.2607



27.1967, 0.4658, 0.3491

Sweetspot

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



27.1978, 0.2484, 0.4142



57.1706, 0.2794, 0.3505



26.3607, 0.3120, 0.5905



12.6497, 0.2755, 0.3538



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.1978, 0.2484, 0.4142



49.3374, 0.2489, 0.4160



17.0789, 0.2035, 0.2527



7.9797, 0.3021, 0.3349



21.4329, 0.2482, 0.4134



0.4574, 0.2386, 0.3791

Inverse Universe

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



7.8508, 0.5875, 0.3011



14.2201, 0.5921, 0.3036



9.0584, 0.6095, 0.3542



7.1147, 0.3246, 0.3232



6.1897, 0.5854, 0.2999



0.1373, 0.4906, 0.2476

Previews

White Background



This preview shows how the Yxy color 27.1967, 0.2484, 0.4142 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1967, 0.2484, 0.4142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

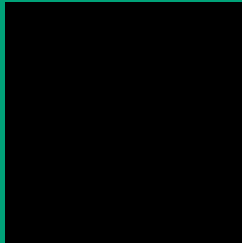
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1967, 0.2484, 0.4142

Background



This preview shows how black text looks on a background with the Yxy color 27.1967, 0.2484, 0.4142.



This preview shows how white text looks on a background with the Yxy color 27.1967, 0.2484, 0.4142.

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

27.1967, 0.2484, 0.4142

Protanopia

26.7549, 0.3563, 0.3798

Deuteranopia

26.6917, 0.3522, 0.3448



Tritanopia

27.3342, 0.2290, 0.3073

Trichromacy



Original Color

27.1967, 0.2484, 0.4142



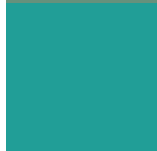
Protanomaly

25.1966, 0.2926, 0.3961



Deuteranomaly

24.5308, 0.2891, 0.3685



Tritanomaly

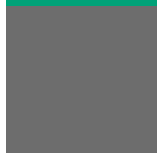
27.0114, 0.2335, 0.3420

Monochromacy



Original Color

27.1967, 0.2484, 0.4142



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.8958, 0.2661, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1967, 0.2484, 0.4142 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(0, 162, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 120)  
}
```

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(0, 162, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 120) }
```

Border

The CSS property to change the border of an element to Yxy 27.1967, 0.2484, 0.4142 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(0, 162, 120) }
```

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

```
.border{ border-color:rgb(0, 162, 120) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1967, 0.2484, 0.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 120) }
```

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

```
.background{ background-color: rgb(0, 162,  
120) }
```

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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