

Converting Colors

$Yxy(26.5760, 0.2229, 0.4350)$

Have a look what the booklet for
Yxy(26.5760, 0.2229, 0.4350)
contains.

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Color

$\text{Yxy}(28.1712, 0.2521, 0.4277)$

Conversions

Conversions Part 1

Format	Color
Hex	00A574
RGB	0, 165, 116
RGB Percent	0%, 65%, 45%
CMY	1.0000, 0.3529, 0.5450
CMYK	1.00, 0.00, 0.30, 0.35
HSL	162°, 100%, 32%
HSV	162°, 100%, 65%
XYZ	16.6050, 28.1712, 21.0905
YIQ	110.0790, -82.6110, -50.2190

Conversions

Conversions Part 2

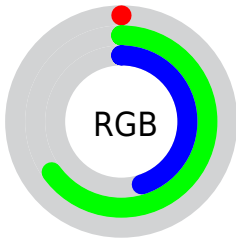
Format	Color
RYB	0, 97, 165
Decimal	42356
CIELab	60.04, -48.26, 15.39
CIELCh	60, 50.652, 162.313
Yxy	28.1712, 0.2521, 0.4277
Android (android.graphics.Color)	4278232436 (0xFF00A574)
YUV	110.0790, 2.9191, -96.5393
Hunter-Lab	53.0765, -37.0402, 13.5941

Details

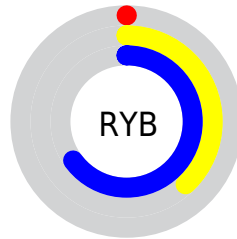
The Yxy color **28.1712, 0.2521, 0.4277** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2218, 0.5753, 0.2943**, and the grayscale version is **15.6279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7137, 0.2655, 0.4054**, and **12.0057, 0.2603, 0.4570** is the 20% darker color. If you saturate the color by 10%, you get **28.1745, 0.2521, 0.4277**, and if you desaturate by 10%, it is **28.4062, 0.2512, 0.4167**.

Distribution



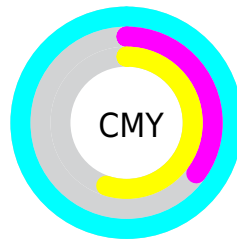
- Red (0%)
- Green (65%)
- Blue (45%)



- Red (0%)
- Yellow (38%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1712, 0.2521, 0.4277 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 28.1712, 0.2521, 0.4277 by changing the saturation by 10% instead.


 28.1712, 0.2521,
0.4277


 28.1712, 0.2521,
0.4277


293.2841, 0.2862,
0.3713


 18.4548, 0.2421,
0.4447


 56.7577, 0.2655,
0.4052

 11.2770, 0.2282,
0.4686


 76.3965, 0.2703,
0.3974


 6.2534, 0.2078,
0.5044


 100.1115, 0.2741,
0.3910

 2.9998, 0.1754,
0.5634

 128.2872, 0.2773,
0.3857

 1.1316, 0.0000,
0.8937

 161.3079, 0.2801,
0.3813

 0.0048, 0.0000,
1.0000

 199.5580, 0.2824,

 0.0000, 0.0000,

0.3775

0.0000

243.4219, 0.2844,
0.3742

■ 28.1712, 0.2521,
0.4277

■ 28.1712, 0.2521,
0.4277

■ 28.1745, 0.2521,
0.4277

■ 28.4062, 0.2512,
0.4167

■ 28.7381, 0.2517,
0.4056

■ 29.2096, 0.2542,
0.3944

■ 29.8381, 0.2586,
0.3835

■ 30.6383, 0.2647,
0.3729

■ 31.6231, 0.2724,
0.3628

■ 32.8044, 0.2813,
0.3532

■ 34.1928, 0.2912,
0.3444

■ 35.7983, 0.3017,
0.3363

Harmonies

Analogous

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



28.1712, 0.3286, 0.4807



28.1712, 0.2521, 0.4277



28.1712, 0.1964, 0.3376

Triad

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



28.1712, 0.2521, 0.4277



28.1712, 0.2141, 0.2044



28.1712, 0.4771, 0.3628

Complementary

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



28.1712, 0.2521, 0.4277



8.2218, 0.5753, 0.2943

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.



28.1712, 0.4404, 0.3039



28.1712, 0.2521, 0.4277



28.1712, 0.2785, 0.2177

Square

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



28.1712, 0.2521, 0.4277



28.1712, 0.1784, 0.2169



28.1712, 0.3629, 0.2529



28.1712, 0.4611, 0.4227

Rectangle

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



28.1712, 0.2521, 0.4277



28.1712, 0.1766, 0.2827



28.1712, 0.3629, 0.2529



28.1712, 0.4708, 0.3427

Sweetspot

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



28.1745, 0.2521, 0.4277



58.6184, 0.2808, 0.3537



27.5787, 0.3146, 0.5884



12.6230, 0.2771, 0.3575



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.



28.1745, 0.2521, 0.4277



50.4160, 0.2527, 0.4296



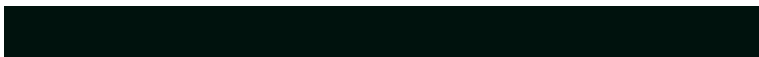
19.2211, 0.2067, 0.2641



7.9752, 0.3025, 0.3358



21.3211, 0.2518, 0.4266



0.4557, 0.2408, 0.3868

Inverse Universe

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



8.2218, 0.5753, 0.2943



14.6918, 0.5798, 0.2968



9.0880, 0.6164, 0.3488



7.1190, 0.3240, 0.3223



6.2271, 0.5727, 0.2928



0.1388, 0.4762, 0.2397

Previews

White Background



This preview shows how the Yxy color 28.1712, 0.2521, 0.4277 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 28.1712, 0.2521, 0.4277 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 28.1712, 0.2521, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 28.1712, 0.2521, 0.4277.



This preview shows how white text looks on a background with the Yxy color 28.1712, 0.2521, 0.4277.

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

28.1712, 0.2521, 0.4277

Protanopia

27.8571, 0.3627, 0.3901

Deuteranopia

27.5814, 0.3607, 0.3538



Tritanopia

28.2062, 0.2294, 0.3059

Trichromacy



Original Color

28.1712, 0.2521, 0.4277



Protanomaly

26.1789, 0.2979, 0.4087



Deuteranomaly

25.5391, 0.2956, 0.3812



Tritanomaly

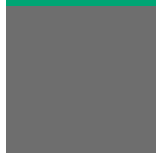
28.0814, 0.2354, 0.3475

Monochromacy



Original Color

28.1712, 0.2521, 0.4277



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

18.4372, 0.2684, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1712, 0.2521, 0.4277 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, 165, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 116)  
}
```

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, 165, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 116) }
```

Border

The CSS property to change the border of an element to Yxy 28.1712, 0.2521, 0.4277 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, 165, 116) }
```

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

```
.border{ border-color:rgb(0, 165, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1712, 0.2521, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 116) }
```

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

```
.background{ background-color: rgb(0, 165,  
116) }
```

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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