

Converting Colors

$Y_{xy}(21.4892, 0.2464, 0.4071)$

Have a look what the booklet for
Yxy(21.4892, 0.2464, 0.4071)
contains.

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Color

Yxy(21.3766, 0.2464, 0.4071)

Conversions

Conversions Part 1

Format	Color
Hex	00916E
RGB	0, 145, 110
RGB Percent	0%, 57%, 43%
CMY	1.0000, 0.4313, 0.5686
CMYK	1.00, 0.00, 0.24, 0.43
HSL	166°, 100%, 28%
HSV	166°, 100%, 57%
XYZ	12.9383, 21.3766, 18.1945
YIQ	97.6550, -75.1850, -41.6250

Conversions

Conversions Part 2

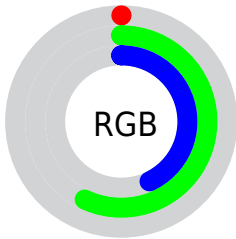
Format	Color
RYB	0, 82, 145
Decimal	37230
CIELab	53.36, -41.75, 9.42
CIELCh	53, 42.805, 167.280
Yxy	21.3766, 0.2464, 0.4071
Android (android.graphics.Color)	4278227310 (0xFF00916E)
YUV	97.6550, 6.0861, -85.6434
Hunter-Lab	46.2348, -30.9596, 9.0323

Details

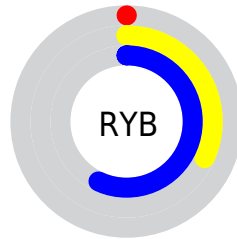
The Yxy color **21.3766, 0.2464, 0.4071** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.1417, 0.5912, 0.3030**, and the grayscale version is **12.1233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8485, 0.2617, 0.3880**, and **8.1765, 0.2539, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **21.3783, 0.2464, 0.4071**, and if you desaturate by 10%, it is **21.5535, 0.2463, 0.3984**.

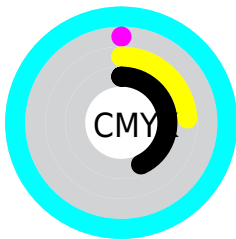
Distribution



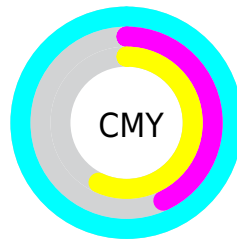
- Red (0%)
- Green (57%)
- Blue (43%)



- Red (0%)
- Yellow (32%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (43%)




- Cyan (100%)
- Magenta (43%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3766, 0.2464, 0.4071 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 21.3766, 0.2464, 0.4071 by changing the saturation by 10% instead.


 21.3766, 0.2464,
0.4071


 21.3766, 0.2464,
0.4071


259.2732, 0.2845,
0.3613

 13.3996, 0.2348,
0.4216


 45.7135, 0.2617,
0.3884


 7.7043, 0.2184,
0.4426


 62.8421, 0.2669,
0.3820

 3.9063, 0.1937,
0.4756

 83.7900, 0.2712,
0.3769

 1.6213, 0.1306,
0.5479

 108.9416, 0.2748,
0.3727

 0.3719, 0.0000,
1.0000

 138.6814, 0.2778,
0.3691

 0.0000, 0.0000,
0.0000

 173.3936, 0.2803,

0.3661

213.4628, 0.2826,
0.3635

■ 21.3766, 0.2464,
0.4071

■ 21.3766, 0.2464,
0.4071

■ 21.3783, 0.2464,
0.4071

■ 21.5535, 0.2463,
0.3984

■ 21.7981, 0.2474,
0.3896

■ 22.1453, 0.2505,
0.3809

■ 22.6074, 0.2554,
0.3722

■ 23.1951, 0.2620,
0.3639

■ 23.9177, 0.2701,
0.3559

■ 24.7838, 0.2795,
0.3484

■ 25.8010, 0.2899,
0.3413

■ 26.9766, 0.3011,
0.3349

Harmonies

Analogous

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



21.3766, 0.3162, 0.4643



21.3766, 0.2464, 0.4071



21.3766, 0.1982, 0.3241

Triad

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



21.3766, 0.2464, 0.4071



21.3766, 0.2288, 0.2124



21.3766, 0.4664, 0.3716

Complementary

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



21.3766, 0.2464, 0.4071



6.1417, 0.5912, 0.3030

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.



21.3766, 0.4399, 0.3151



21.3766, 0.2464, 0.4071



21.3766, 0.2934, 0.2287

Square

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



21.3766, 0.2464, 0.4071



21.3766, 0.1903, 0.2204



21.3766, 0.3728, 0.2650



21.3766, 0.4452, 0.4267

Rectangle

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



21.3766, 0.2464, 0.4071



21.3766, 0.1825, 0.2760



21.3766, 0.3728, 0.2650



21.3766, 0.4631, 0.3525

Sweetspot

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



21.3783, 0.2464, 0.4071



44.2755, 0.2789, 0.3488



20.6322, 0.3112, 0.5911



9.7148, 0.2753, 0.3516



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.3783, 0.2464, 0.4071



38.2537, 0.2469, 0.4089



12.9295, 0.2021, 0.2476



6.0944, 0.3020, 0.3344



18.3395, 0.2463, 0.4066



0.1788, 0.2350, 0.3658

Inverse Universe

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



6.1417, 0.5912, 0.3030



10.9743, 0.5960, 0.3057



7.2973, 0.6045, 0.3582



5.4441, 0.3246, 0.3237



5.2711, 0.5896, 0.3022



0.0534, 0.4878, 0.2461

Previews

White Background



This preview shows how the Yxy color 21.3766, 0.2464, 0.4071 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 21.3766, 0.2464, 0.4071 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 21.3766, 0.2464, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 21.3766, 0.2464, 0.4071.



This preview shows how white text looks on a background with the Yxy color 21.3766, 0.2464, 0.4071.

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

21.3766, 0.2464, 0.4071

Protanopia

21.2692, 0.3523, 0.3760

Deuteranopia

20.9965, 0.3475, 0.3413



Tritanopia

21.5714, 0.2290, 0.3070

Trichromacy



Original Color

21.3766, 0.2464, 0.4071



Protanomaly

20.0281, 0.2910, 0.3922



Deuteranomaly

19.3817, 0.2871, 0.3642



Tritanomaly

21.3848, 0.2334, 0.3413

Monochromacy



Original Color

21.3766, 0.2464, 0.4071



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

14.2449, 0.2660, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3766, 0.2464, 0.4071 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, 145, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 110)  
}
```

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, 145, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 110) }
```

Border

The CSS property to change the border of an element to Yxy 21.3766, 0.2464, 0.4071 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, 145, 110) }
```

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

```
.border{ border-color:rgb(0, 145, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3766, 0.2464, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 110) }
```

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

```
.background{ background-color: rgb(0, 145,  
110) }
```

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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