

Converting Colors

$Yxy(12.2495, 0.2345, 0.3641)$

Have a look what the booklet for
Yxy(12.2495, 0.2345, 0.3641)
contains.

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Color

Yxy(12.2507, 0.2345, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	006F62
RGB	0, 111, 98
RGB Percent	0%, 44%, 38%
CMY	0.9996, 0.5647, 0.6157
CMYK	1.00, 0.00, 0.12, 0.56
HSL	173°, 100%, 22%
HSV	173°, 100%, 44%
XYZ	7.8901, 12.2507, 13.5057
YIQ	76.3290, -61.9830, -27.5750

Conversions

Conversions Part 2

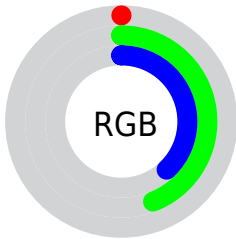
Format	Color
RYB	0, 59, 111
Decimal	28514
CIELab	41.61, -30.21, -0.41
CIELCh	42, 30.215, 180.782
Yxy	12.2507, 0.2345, 0.3641
Android (android.graphics.Color)	4278218594 (0xFF006F62)
YUV	76.3290, 10.6838, -66.9405
Hunter-Lab	35.0010, -21.0133, 1.6227

Details

The Yxy color **12.2507, 0.2345, 0.3641** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4108, 0.6177, 0.3178**, and the grayscale version is **7.2850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8602, 0.2540, 0.3540**, and **3.6932, 0.2372, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **12.2503, 0.2345, 0.3641**, and if you desaturate by 10%, it is **12.3478, 0.2361, 0.3602**.

Distribution



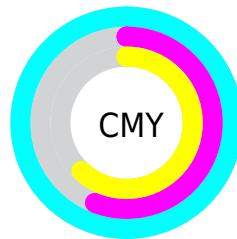
- Red (0%)
- Green (44%)
- Blue (38%)



- Red (0%)
- Yellow (23%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2507, 0.2345, 0.3641 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 12.2507, 0.2345, 0.3641 by changing the saturation by 10% instead.


 12.2507, 0.2345,
0.3641


 12.2507, 0.2345,
0.3641


 206.0580, 0.2817,
0.3430

 6.9147, 0.2187,
0.3711


 29.9509, 0.2542,
0.3553


 3.4088, 0.1953,
0.3814

 43.0838, 0.2608,
0.3524


 1.3487, 0.1450,
0.4038

 59.5845, 0.2660,
0.3500

 0.1784, 0.0000,
0.4444


 79.8373, 0.2703,
0.3481


 0.0000, 0.0000,
0.0000

 104.2267, 0.2739,
0.3465


 133.1370, 0.2769,


0.3452

 166.9526, 0.2795,
0.3440


 12.2507, 0.2345,
0.3641


 12.2507, 0.2345,
0.3641


 12.2503, 0.2345,
0.3641

 12.3478, 0.2361,
0.3602

 12.4744, 0.2386,
0.3564

 12.6560, 0.2428,
0.3525

 12.8986, 0.2488,
0.3487

 13.2076, 0.2564,
0.3449

■ 13.5878, 0.2655,
0.3413

■ 14.0435, 0.2760,
0.3379

■ 14.5787, 0.2875,
0.3347

■ 15.1971, 0.2999,
0.3317

Harmonies

Analogous

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



12.2507, 0.2887, 0.4254



12.2507, 0.2345, 0.3641



12.2507, 0.2029, 0.2973

Triad

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



12.2507, 0.2345, 0.3641



12.2507, 0.2635, 0.2313



12.2507, 0.4412, 0.3904

Complementary

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



12.2507, 0.2345, 0.3641



3.4108, 0.6177, 0.3178

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.



12.2507, 0.4362, 0.3406



12.2507, 0.2345, 0.3641



12.2507, 0.3269, 0.2541

Square

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



12.2507, 0.2345, 0.3641



12.2507, 0.2186, 0.2288



12.2507, 0.3926, 0.2927



12.2507, 0.4090, 0.4324

Rectangle

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



12.2507, 0.2345, 0.3641



12.2507, 0.1966, 0.2630



12.2507, 0.3926, 0.2927



12.2507, 0.4441, 0.3741

Sweetspot

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



12.2512, 0.2345, 0.3641



25.0684, 0.2750, 0.3382



11.4694, 0.3054, 0.5956



5.9558, 0.2715, 0.3393



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.2512, 0.2345, 0.3641



21.9250, 0.2348, 0.3651



5.5706, 0.1918, 0.2102



3.8088, 0.3010, 0.3315



14.4336, 0.2346, 0.3644



71.8174, 0.2352, 0.3666

Inverse Universe

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



3.4108, 0.6177, 0.3178



6.0921, 0.6227, 0.3204



4.9490, 0.5708, 0.3848



3.4073, 0.3258, 0.3266



4.0142, 0.6195, 0.3186



19.9264, 0.6283, 0.3235

Previews

White Background



This preview shows how the Yxy color 12.2507, 0.2345, 0.3641 looks on a white 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

Black Background



This preview shows how the Yxy color 12.2507, 0.2345, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

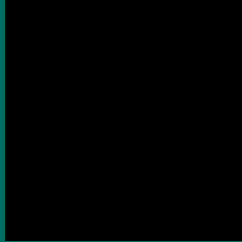
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2507, 0.2345, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 12.2507, 0.2345, 0.3641.



This preview shows how white text looks on a background with the Yxy color 12.2507, 0.2345, 0.3641.

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

12.2507, 0.2345, 0.3641

Protanopia

12.2574, 0.3271, 0.3450

Deuteranopia

12.2079, 0.3195, 0.3137



Tritanopia

12.2707, 0.2266, 0.3062

Trichromacy



Original Color

12.2507, 0.2345, 0.3641

Protanomaly

11.5986, 0.2728, 0.3521

Deuteranomaly

11.4402, 0.2678, 0.3289

Tritanomaly

12.1917, 0.2283, 0.3262

Monochromacy



Original Color

12.2507, 0.2345, 0.3641

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.4132, 0.2611, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2507, 0.2345, 0.3641 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, 111, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 98)  
}
```

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, 111, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 98) }
```

Border

The CSS property to change the border of an element to Yxy 12.2507, 0.2345, 0.3641 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, 111, 98) }
```

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

```
.border{ border-color:rgb(0, 111, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 98)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2507, 0.2345, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 98) }
```

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

```
.background{ background-color: rgb(0, 111,  
98) }
```

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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