

Converting Colors

$Yxy(13.0795, 0.2341, 0.3628)$

Have a look what the booklet for
Yxy(13.0795, 0.2341, 0.3628)
contains.

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Color

Yxy(12.9939, 0.2335, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	007266
RGB	0, 114, 102
RGB Percent	0%, 45%, 40%
CMY	0.9996, 0.5529, 0.6000
CMYK	1.00, 0.00, 0.11, 0.55
HSL	174°, 100%, 22%
HSV	174°, 100%, 45%
XYZ	8.4163, 12.9939, 14.6339
YIQ	78.5460, -64.0920, -27.9000

Conversions

Conversions Part 2

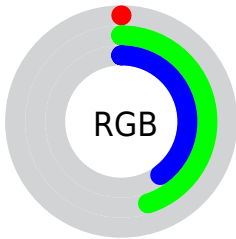
Format	Color
RYB	0, 60, 114
Decimal	29286
CIELab	42.75, -30.39, -1.15
CIELCh	43, 30.412, 182.160
Yxy	12.9939, 0.2335, 0.3605
Android (android.graphics.Color)	4278219366 (0xFF007266)
YUV	78.5460, 11.5628, -68.8848
Hunter-Lab	36.0471, -21.4060, 1.1632

Details

The Yxy color **12.9939, 0.2335, 0.3605** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.6064, 0.6206, 0.3194**, and the grayscale version is **7.7204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4738, 0.2532, 0.3535**, and **4.0564, 0.2367, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **12.9935, 0.2335, 0.3605**, and if you desaturate by 10%, it is **13.0924, 0.2351, 0.3570**.

Distribution



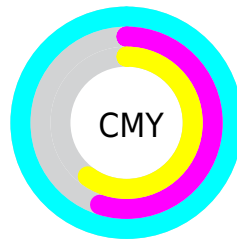
- Red (0%)
- Green (45%)
- Blue (40%)



- Red (0%)
- Yellow (24%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9939, 0.2335, 0.3605 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 12.9939, 0.2335, 0.3605 by changing the saturation by 10% instead.


 12.9939, 0.2335,
0.3605


 12.9939, 0.2335,
0.3605


 210.8786, 0.2809,
0.3419

 7.4243, 0.2180,
0.3665


 31.2928, 0.2531,
0.3529


 3.7289, 0.1952,
0.3751

 44.7910, 0.2597,
0.3503


 1.5231, 0.1539,
0.3906

 61.7008, 0.2650,
0.3482

 0.3049, 0.0000,
0.4252

 82.4067, 0.2693,
0.3465


 0.0000, 0.0000,
0.0000


 107.2930, 0.2729,
0.3450


 136.7442, 0.2760,


0.3438


 171.1445, 0.2786,
0.3428


 12.9939, 0.2335,
0.3605


 12.9939, 0.2335,
0.3605


 12.9935, 0.2335,
0.3605

 13.0924, 0.2351,
0.3570

 13.2231, 0.2376,
0.3536

 13.4121, 0.2419,
0.3501

 13.6658, 0.2480,
0.3467

 13.9902, 0.2557,
0.3433

■ 14.3902, 0.2649,
0.3401

■ 14.8704, 0.2755,
0.3370

■ 15.4352, 0.2871,
0.3341

■ 16.0885, 0.2997,
0.3314

Harmonies

Analogous

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



12.9939, 0.2863, 0.4218



12.9939, 0.2335, 0.3605



12.9939, 0.2034, 0.2952

Triad

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



12.9939, 0.2335, 0.3605



12.9939, 0.2667, 0.2330



12.9939, 0.4389, 0.3920

Complementary

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



12.9939, 0.2335, 0.3605



3.6064, 0.6206, 0.3194

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.



12.9939, 0.4357, 0.3429



12.9939, 0.2335, 0.3605



12.9939, 0.3298, 0.2564

Square

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



12.9939, 0.2335, 0.3605



12.9939, 0.2212, 0.2296



12.9939, 0.3942, 0.2952



12.9939, 0.4057, 0.4327

Rectangle

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



12.9939, 0.2335, 0.3605



12.9939, 0.1979, 0.2620



12.9939, 0.3942, 0.2952



12.9939, 0.4423, 0.3760

Sweetspot

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



12.9944, 0.2335, 0.3605



26.0534, 0.2745, 0.3373



12.1233, 0.3045, 0.5963



5.9598, 0.2710, 0.3383



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.



12.9944, 0.2335, 0.3605



22.8230, 0.2337, 0.3614



5.6385, 0.1901, 0.2041



3.8094, 0.3009, 0.3312



14.4631, 0.2335, 0.3607



71.9714, 0.2341, 0.3626

Inverse Universe

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



3.6064, 0.6206, 0.3194



6.3228, 0.6250, 0.3217



5.3614, 0.5668, 0.3880



3.4067, 0.3259, 0.3268



4.0105, 0.6218, 0.3199



19.9127, 0.6301, 0.3245

Previews

White Background



This preview shows how the Yxy color 12.9939, 0.2335, 0.3605 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 12.9939, 0.2335, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

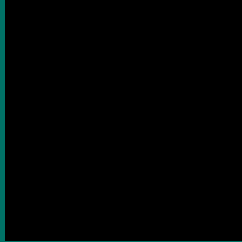
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9939, 0.2335, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 12.9939, 0.2335, 0.3605.



This preview shows how white text looks on a background with the Yxy color 12.9939, 0.2335, 0.3605.

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

12.9939, 0.2335, 0.3605

Protanopia

12.8656, 0.3270, 0.3424

Deuteranopia

12.9641, 0.3165, 0.3119



Tritanopia

12.9862, 0.2263, 0.3067

Trichromacy



Original Color

12.9939, 0.2335, 0.3605

Protanomaly

12.1245, 0.2723, 0.3491

Deuteranomaly

12.1858, 0.2666, 0.3264

Tritanomaly

12.9092, 0.2280, 0.3262

Monochromacy



Original Color

12.9939, 0.2335, 0.3605

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.0205, 0.2611, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9939, 0.2335, 0.3605 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, 114, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 102)  
}
```

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, 114, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 102) }
```

Border

The CSS property to change the border of an element to Yxy 12.9939, 0.2335, 0.3605 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, 114, 102) }
```

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

```
.border{ border-color:rgb(0, 114, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9939, 0.2335, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 102) }
```

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

```
.background{ background-color: rgb(0, 114,  
102) }
```

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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