

Converting Colors

$Yxy(10.2848, 0.2323, 0.3562)$

Have a look what the booklet for
Yxy(10.2848, 0.2323, 0.3562)
contains.

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Color

Yxy(10.2931, 0.2319, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	00665D
RGB	0, 102, 93
RGB Percent	0%, 40%, 36%
CMY	0.9999, 0.6000, 0.6353
CMYK	1.00, 0.00, 0.09, 0.60
HSL	175°, 100%, 20%
HSV	175°, 100%, 40%
XYZ	6.7276, 10.2931, 11.9902
YIQ	70.4760, -57.9030, -24.4230

Conversions

Conversions Part 2

Format	Color
RYB	0, 53, 102
Decimal	26205
CIELab	38.36, -27.50, -2.13
CIELCh	38, 27.579, 184.437
Yxy	10.2931, 0.2319, 0.3548
Android (android.graphics.Color)	4278216285 (0xFF00665D)
YUV	70.4760, 11.1043, -61.8075
Hunter-Lab	32.0829, -18.7143, 0.2997

Details

The Yxy color **10.2931, 0.2319, 0.3548** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8451, 0.6219, 0.3200**, and the grayscale version is **6.1981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4721, 0.2533, 0.3495**, and **2.8436, 0.2344, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **10.2933, 0.2319, 0.3548**, and if you desaturate by 10%, it is **10.3753, 0.2339, 0.3520**.

Distribution



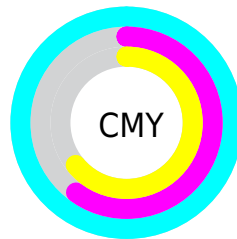
- Red (0%)
- Green (40%)
- Blue (36%)



- Red (0%)
- Yellow (21%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2931, 0.2319, 0.3548 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 10.2931, 0.2319, 0.3548 by changing the saturation by 10% instead.


 10.2931, 0.2319,
0.3548


 10.2931, 0.2319,
0.3548


192.7514, 0.2816,
0.3393


 5.5937, 0.2147,
0.3598

 26.3454, 0.2530,
0.3484


 2.5997, 0.1884,
0.3671


 38.4670, 0.2599,
0.3462

 0.9265, 0.0906,
0.4018

 53.8316, 0.2654,
0.3445

 0.0000, 0.0000,
0.0000


 72.8234, 0.2699,
0.3431


 95.8269, 0.2736,
0.3419


 123.2264, 0.2767,


0.3409


 155.4065, 0.2793,
0.3401

 10.2931, 0.2319,
0.3548


 10.2931, 0.2319,
0.3548

 10.2933, 0.2319,
0.3548

 10.3753, 0.2339,
0.3520

 10.4788, 0.2367,
0.3491

 10.6275, 0.2412,
0.3463

 10.8264, 0.2474,
0.3435

 11.0798, 0.2553,
0.3408

■ 11.3916, 0.2646,
0.3381

■ 11.7652, 0.2752,
0.3356

■ 12.2039, 0.2869,
0.3332

■ 12.7107, 0.2995,
0.3310

Harmonies

Analogous

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



10.2931, 0.2824, 0.4161



10.2931, 0.2319, 0.3548



10.2931, 0.2041, 0.2918

Triad

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



10.2931, 0.2319, 0.3548



10.2931, 0.2718, 0.2357



10.2931, 0.4351, 0.3946

Complementary

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



10.2931, 0.2319, 0.3548



2.8451, 0.6219, 0.3200

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.



10.2931, 0.4349, 0.3465



10.2931, 0.2319, 0.3548



10.2931, 0.3346, 0.2601

Square

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



10.2931, 0.2319, 0.3548



10.2931, 0.2254, 0.2308



10.2931, 0.3967, 0.2992



10.2931, 0.4005, 0.4331

Rectangle

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



10.2931, 0.2319, 0.3548



10.2931, 0.2000, 0.2603



10.2931, 0.3967, 0.2992



10.2931, 0.4394, 0.3790

Sweetspot

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



10.2935, 0.2319, 0.3548



20.5710, 0.2742, 0.3358



9.5689, 0.3042, 0.5966



4.8054, 0.2710, 0.3366



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.2935, 0.2319, 0.3548



18.0440, 0.2321, 0.3556



4.3194, 0.1889, 0.2001



3.1812, 0.3009, 0.3308



13.2169, 0.2320, 0.3552



68.8679, 0.2325, 0.3568

Inverse Universe

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



2.8451, 0.6219, 0.3200



4.9798, 0.6264, 0.3225



4.3979, 0.5603, 0.3933



2.8500, 0.3259, 0.3272



3.6501, 0.6241, 0.3212



18.9770, 0.6323, 0.3257

Previews

White Background



This preview shows how the Yxy color 10.2931, 0.2319, 0.3548 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 10.2931, 0.2319, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

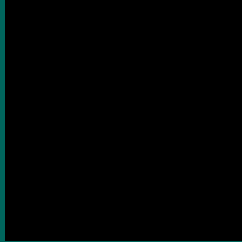
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2931, 0.2319, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 10.2931, 0.2319, 0.3548.



This preview shows how white text looks on a background with the Yxy color 10.2931, 0.2319, 0.3548.

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

10.2931, 0.2319, 0.3548

Protanopia

10.3114, 0.3236, 0.3388

Deuteranopia

10.3108, 0.3136, 0.3102



Tritanopia

10.4037, 0.2264, 0.3073

Trichromacy



Original Color

10.2931, 0.2319, 0.3548

Protanomaly

9.6565, 0.2700, 0.3427

Deuteranomaly

9.6470, 0.2650, 0.3235

Tritanomaly

10.3968, 0.2274, 0.3232

Monochromacy



Original Color

10.2931, 0.2319, 0.3548

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.1425, 0.2618, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2931, 0.2319, 0.3548 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, 102, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 93)  
}
```

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, 102, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 93) }
```

Border

The CSS property to change the border of an element to Yxy 10.2931, 0.2319, 0.3548 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, 102, 93) }
```

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

```
.border{ border-color:rgb(0, 102, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 93)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2931, 0.2319, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 93) }
```

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

```
.background{ background-color: rgb(0, 102,  
93) }
```

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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