

Converting Colors

$Yxy(10.2820, 0.2324, 0.3567)$

Have a look what the booklet for
Yxy(10.2820, 0.2324, 0.3567)
contains.

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Color

$Y_{xy}(10.2754, 0.2327, 0.3578)$

Conversions

Conversions Part 1

Format	Color
Hex	00665C
RGB	0, 102, 92
RGB Percent	0%, 40%, 36%
CMY	1.0000, 0.6000, 0.6391
CMYK	1.00, 0.00, 0.10, 0.60
HSL	174°, 100%, 20%
HSV	174°, 100%, 40%
XYZ	6.6827, 10.2754, 11.7601
YIQ	70.3620, -57.5820, -24.7340

Conversions

Conversions Part 2

Format	Color
RYB	0, 54, 102
Decimal	26204
CIELab	38.33, -27.82, -1.57
CIElCh	38, 27.867, 183.229
Yxy	10.2754, 0.2327, 0.3578
Android (android.graphics.Color)	4278216284 (0xFF00665C)
YUV	70.3620, 10.6675, -61.7075
Hunter-Lab	32.0553, -18.8838, 0.6869

Details

The Yxy color **10.2754, 0.2327, 0.3578** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8469, 0.6201, 0.3189**, and the grayscale version is **6.1779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4419, 0.2540, 0.3514**, and **2.8356, 0.2358, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **10.2764, 0.2327, 0.3578**, and if you desaturate by 10%, it is **10.3598, 0.2347, 0.3546**.

Distribution



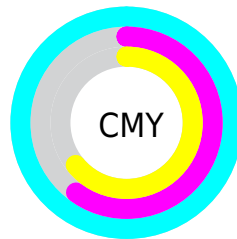
- Red (0%)
- Green (40%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (60%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2754, 0.2327, 0.3578 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 10.2754, 0.2327, 0.3578 by changing the saturation by 10% instead.


 10.2754, 0.2327,
0.3578


 10.2754, 0.2327,
0.3578


192.6265, 0.2820,
0.3404

 5.5819, 0.2156,
0.3636

 26.3122, 0.2537,
0.3505


 2.5926, 0.1894,
0.3722


 38.4244, 0.2605,
0.3481

 0.9229, 0.0881,
0.4116

 53.7782, 0.2660,
0.3461

 0.0000, 0.0000,
0.0000


 72.7581, 0.2704,
0.3446

 95.7485, 0.2740,
0.3432


 123.1338, 0.2771,


0.3421


 155.2983, 0.2797,
0.3412


 10.2754, 0.2327,
0.3578


 10.2754, 0.2327,
0.3578


 10.2764, 0.2327,
0.3578

 10.3598, 0.2347,
0.3546

 10.4648, 0.2374,
0.3515

 10.6150, 0.2419,
0.3483

 10.8155, 0.2480,
0.3452

 11.0705, 0.2557,
0.3421

■ 11.3839, 0.2650,
0.3392

■ 11.7592, 0.2755,
0.3364

■ 12.1997, 0.2872,
0.3337

■ 12.7082, 0.2996,
0.3313

Harmonies

Analogous

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



10.2754, 0.2844, 0.4192



10.2754, 0.2327, 0.3578



10.2754, 0.2037, 0.2935

Triad

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



10.2754, 0.2327, 0.3578



10.2754, 0.2691, 0.2342



10.2754, 0.4371, 0.3932

Complementary

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



10.2754, 0.2327, 0.3578



2.8469, 0.6201, 0.3189

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.



10.2754, 0.4354, 0.3446



10.2754, 0.2327, 0.3578



10.2754, 0.3321, 0.2581

Square

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



10.2754, 0.2327, 0.3578



10.2754, 0.2232, 0.2301



10.2754, 0.3954, 0.2971



10.2754, 0.4033, 0.4329

Rectangle

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



10.2754, 0.2327, 0.3578



10.2754, 0.1989, 0.2612



10.2754, 0.3954, 0.2971



10.2754, 0.4410, 0.3774

Sweetspot

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



10.2764, 0.2327, 0.3578



20.5607, 0.2746, 0.3366



9.5692, 0.3042, 0.5966



4.8027, 0.2714, 0.3374



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.



10.2764, 0.2327, 0.3578



18.0126, 0.2330, 0.3587



4.3185, 0.1889, 0.2001



3.1808, 0.3010, 0.3310



13.1942, 0.2328, 0.3582



68.7432, 0.2334, 0.3601

Inverse Universe

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



2.8469, 0.6201, 0.3189



4.9831, 0.6248, 0.3215



4.3971, 0.5604, 0.3932



2.8504, 0.3257, 0.3270



3.6526, 0.6224, 0.3202



18.9863, 0.6310, 0.3250

Previews

White Background



This preview shows how the Yxy color 10.2754, 0.2327, 0.3578 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 10.2754, 0.2327, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

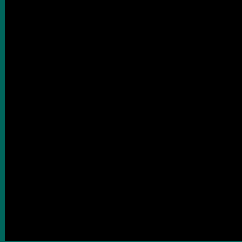
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.2754, 0.2327, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 10.2754, 0.2327, 0.3578.



This preview shows how white text looks on a background with the Yxy color 10.2754, 0.2327, 0.3578.

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

10.2754, 0.2327, 0.3578

Protanopia

10.2954, 0.3252, 0.3412

Deuteranopia

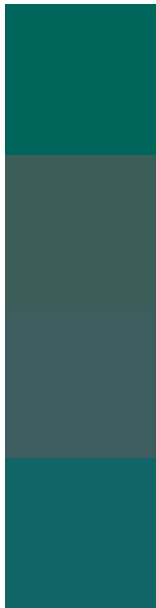
10.3471, 0.3167, 0.3126



Tritanopia

10.4167, 0.2268, 0.3073

Trichromacy



Original Color

10.2754, 0.2327, 0.3578

Protanomaly

9.6398, 0.2712, 0.3455

Deuteranomaly

9.6610, 0.2674, 0.3262

Tritanomaly

10.3858, 0.2286, 0.3260

Monochromacy



Original Color

10.2754, 0.2327, 0.3578

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 10.2754, 0.2327, 0.3578 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 92) }
```

Border

The CSS property to change the border of an element to Yxy 10.2754, 0.2327, 0.3578 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, 92) }
```

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

```
.border{ border-color:rgb(0, 102, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2754, 0.2327, 0.3578 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, 92) }
```

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

```
.background{ background-color: rgb(0, 102,  
92) }
```

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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