

Converting Colors

$Y_{xy}(10.7997, 0.2556, 0.3652)$

Have a look what the booklet for
Yxy(10.7997, 0.2556, 0.3652)
contains.

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Color

Yxy(10.7163, 0.2559, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	2A6659
RGB	42, 102, 89
RGB Percent	16%, 40%, 35%
CMY	0.8351, 0.6000, 0.6510
CMYK	0.59, 0.00, 0.13, 0.60
HSL	167°, 42%, 28%
HSV	167°, 59%, 40%
XYZ	7.5111, 10.7163, 11.1243
YIQ	82.5780, -31.5870, -16.7630

Conversions

Conversions Part 2

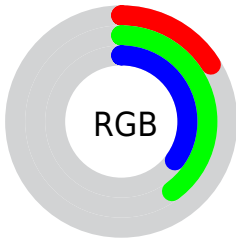
Format	Color
RYB	42, 76, 102
Decimal	2778713
CIELab	39.10, -22.93, 1.50
CIELCh	39, 22.978, 176.258
Yxy	10.7163, 0.2559, 0.3651
Android (android.graphics.Color)	4280968793 (0xFF2A6659)
YUV	82.5780, 3.1660, -35.5869
Hunter-Lab	32.7358, -16.3314, 2.7671

Details

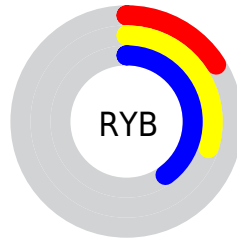
The Yxy color **10.7163, 0.2559, 0.3651** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.7607, 0.4394, 0.2988**, and the grayscale version is **8.5614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0262, 0.2711, 0.3545**, and **2.9142, 0.2401, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **10.4915, 0.2504, 0.3724**, and if you desaturate by 10%, it is **10.9979, 0.2630, 0.3580**.

Distribution



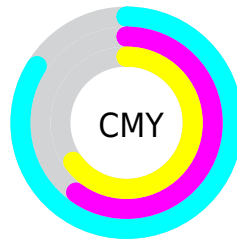
- Red (16%)
- Green (40%)
- Blue (35%)



- Red (16%)
- Yellow (30%)
- Blue (40%)



- Cyan (59%)
- Magenta (0%)
- Yellow (13%)
- Black (60%)





- Cyan (84%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7163, 0.2559, 0.3651 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 10.7163, 0.2559, 0.3651 by changing the saturation by 10% instead.


 10.7163, 0.2559,
0.3651


 10.7163, 0.2559,
0.3651


195.7107, 0.2911,
0.3426


 5.8764, 0.2434,
0.3732

 27.1344, 0.2710,
0.3554


 2.7701, 0.2241,
0.3860


 39.4813, 0.2759,
0.3522

 1.0129, 0.1655,
0.4216

 55.0994, 0.2797,
0.3498

 0.0000, 0.0000,
0.0000

 74.3730, 0.2829,
0.3478

 97.6866, 0.2855,
0.3461

 125.4244, 0.2876,

0.3448

157.9710, 0.2895,
0.3436

■ 10.7163, 0.2559,
0.3651

■ 10.7163, 0.2559,
0.3651

■ 10.4915, 0.2504,
0.3724

■ 10.9979, 0.2630,
0.3580

■ 10.3179, 0.2466,
0.3799

■ 11.3387, 0.2714,
0.3512

■ 10.1912, 0.2445,
0.3874

■ 11.7428, 0.2810,
0.3449

■ 10.0917, 0.2434,
0.3949

■ 12.2133, 0.2914,
0.3389

■ 10.0795, 0.2433,
0.3959

■ 12.7531, 0.3026,
0.3334

■ 13.3652, 0.3142,
0.3284

■ 14.0520, 0.3260,
0.3239

■ 14.8162, 0.3378,
0.3198

■ 15.6601, 0.3496,
0.3162

Harmonies

Analogous

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



10.7163, 0.3022, 0.4089



10.7163, 0.2559, 0.3651



10.7163, 0.2261, 0.3124

Triad

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



10.7163, 0.2559, 0.3651



10.7163, 0.2668, 0.2475



10.7163, 0.4169, 0.3749

Complementary

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



10.7163, 0.2559, 0.3651



4.7607, 0.4394, 0.2988

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.



10.7163, 0.4073, 0.3339



10.7163, 0.2559, 0.3651



10.7163, 0.3165, 0.2640

Square

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



10.7163, 0.2559, 0.3651



10.7163, 0.2322, 0.2490



10.7163, 0.3692, 0.2946



10.7163, 0.3963, 0.4092

Rectangle

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



10.7163, 0.2559, 0.3651



10.7163, 0.2183, 0.2827



10.7163, 0.3692, 0.2946



10.7163, 0.4173, 0.3615

Sweetspot

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



10.7167, 0.2559, 0.3651



21.4434, 0.2917, 0.3388



10.5115, 0.3212, 0.4963



5.0145, 0.2894, 0.3400



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.



10.7167, 0.2559, 0.3651



18.2606, 0.2486, 0.3756



8.1101, 0.2339, 0.2838



3.1756, 0.3024, 0.3335



12.9406, 0.2436, 0.3969



67.3595, 0.2448, 0.4013

Inverse Universe

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



4.7607, 0.4394, 0.2988



6.6838, 0.4911, 0.2956



6.0222, 0.4519, 0.3672



2.8553, 0.3241, 0.3246



3.6976, 0.5933, 0.3042



19.1741, 0.6066, 0.3115

Previews

White Background



This preview shows how the Yxy color 10.7163, 0.2559, 0.3651 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 10.7163, 0.2559, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

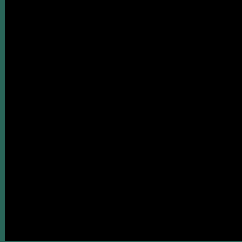
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7163, 0.2559, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 10.7163, 0.2559, 0.3651.



This preview shows how white text looks on a background with the Yxy color 10.7163, 0.2559, 0.3651.

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

10.7163, 0.2559, 0.3651

Protanopia

10.5396, 0.3313, 0.3484

Deuteranopia

10.6268, 0.3261, 0.3221



Tritanopia

10.6382, 0.2427, 0.3080

Trichromacy



Original Color

10.7163, 0.2559, 0.3651

Protanomaly

10.3768, 0.2981, 0.3550

Deuteranomaly

10.4230, 0.2944, 0.3366

Tritanomaly

10.6153, 0.2473, 0.3288

Monochromacy



Original Color

10.7163, 0.2559, 0.3651

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.1971, 0.2861, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7163, 0.2559, 0.3651 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(42, 102, 89)` looks like.

```
.text, #text, p{  
  color:rgb(42, 102, 89)  
}
```

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(42, 102, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 102, 89) }
```

Border

The CSS property to change the border of an element to Yxy 10.7163, 0.2559, 0.3651 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(42, 102, 89) }
```

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

```
.border{ border-color:rgb(42, 102, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 102, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 102, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 102, 89);  
box-shadow:4px 4px 4px 4px rgb(42, 102,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7163, 0.2559, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 102, 89) }
```

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

```
.background{ background-color: rgb(42, 102,  
89) }
```

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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