

Converting Colors

$Y_{xy}(10.1411, 0.2776, 0.3862)$

Have a look what the booklet for
Yxy(10.1411, 0.2776, 0.3862)
contains.

Yxy(10.0697, 0.2783, 0.3858)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0697, 0.2783, 0.3858)

Conversions

Conversions Part 1

Format	Color
Hex	36624E
RGB	54, 98, 78
RGB Percent	21%, 38%, 31%
CMY	0.7882, 0.6157, 0.6941
CMYK	0.45, 0.00, 0.20, 0.62
HSL	153°, 29%, 30%
HSV	153°, 45%, 38%
XYZ	7.2639, 10.0697, 8.7673
YIQ	82.5640, -19.8040, -15.5480

Conversions

Conversions Part 2

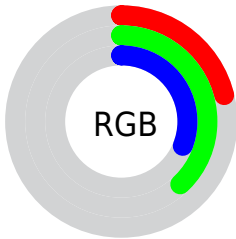
Format	Color
R_{YB}	54, 82, 98
Decimal	3564110
CIE _{Lab}	37.97, -20.43, 6.68
CIE _{LCh}	38, 21.498, 161.888
Yxy	10.0697, 0.2783, 0.3858
Android (android.graphics.Color)	4281754190 (0xFF36624E)
YUV	82.5640, -2.2501, -25.0506
Hunter-Lab	31.7328, -14.6725, 5.8321

Details

The Yxy color **10.0697, 0.2783, 0.3858** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.7295, 0.3702, 0.2794**, and the grayscale version is **8.5648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9108, 0.2878, 0.3696**, and **2.5090, 0.2559, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **9.7640, 0.2727, 0.4013**, and if you desaturate by 10%, it is **10.4352, 0.2849, 0.3712**.

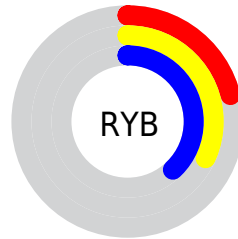
Distribution



Red (21%)

Green (38%)

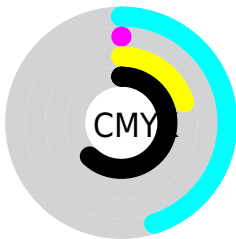
Blue (31%)



Red (21%)

Yellow (32%)

Blue (38%)

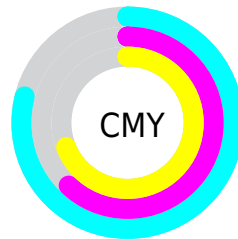


Cyan (45%)

Magenta (0%)

Yellow (20%)

Black (62%)



Cyan (79%)


Magenta (62%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0697, 0.2783, 0.3858 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 10.0697, 0.2783, 0.3858 by changing the saturation by 10% instead.


 10.0697, 0.2783,
0.3858


 10.0697, 0.2783,
0.3858


191.1688, 0.3003,
0.3493


 5.4452, 0.2699,
0.3999

 25.9265, 0.2880,
0.3696


 2.5108, 0.2563,
0.4233


 37.9276, 0.2910,
0.3645

 0.8820, 0.1980,
0.5144

 53.1564, 0.2934,
0.3606

 0.0000, 0.0000,
0.0000

 71.9972, 0.2953,
0.3574

 94.8344, 0.2969,
0.3548

 122.0525, 0.2982,

0.3527

154.0359, 0.2993,
0.3509

■ 10.0697, 0.2783,
0.3858

■ 10.0697, 0.2783,
0.3858

■ 9.7640, 0.2727,
0.4013

■ 10.4352, 0.2849,
0.3712

■ 9.5135, 0.2685,
0.4175

■ 10.8625, 0.2924,
0.3577

■ 9.3148, 0.2657,
0.4341


■ 11.3547, 0.3003,
0.3453


■ 9.1638, 0.2647,
0.4508

■ 11.9147, 0.3086,
0.3341


■ 9.0509, 0.2652,
0.4673

■ 12.5449, 0.3170,
0.3240

 8.9970, 0.2655,
0.4757

 13.2478, 0.3254,
0.3149

 14.0256, 0.3337,
0.3069

 14.8806, 0.3418,
0.2998

 15.8149, 0.3496,
0.2935

Harmonies

Analogous

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



10.0697, 0.3267, 0.4161



10.0697, 0.2783, 0.3858



10.0697, 0.2411, 0.3370

Triad

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



10.0697, 0.2783, 0.3858



10.0697, 0.2507, 0.2492



10.0697, 0.4116, 0.3547

Complementary

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



10.0697, 0.2783, 0.3858



5.7295, 0.3702, 0.2794

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.



10.0697, 0.3884, 0.3152



10.0697, 0.2783, 0.3858



10.0697, 0.2924, 0.2570

Square

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



10.0697, 0.2783, 0.3858



10.0697, 0.2264, 0.2600



10.0697, 0.3433, 0.2806



10.0697, 0.4054, 0.3918

Rectangle

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



10.0697, 0.2783, 0.3858



10.0697, 0.2266, 0.3047



10.0697, 0.3433, 0.2806



10.0697, 0.4070, 0.3414

Sweetspot

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



10.0701, 0.2783, 0.3858



20.0380, 0.3016, 0.3436



10.4794, 0.3365, 0.4464



4.7275, 0.3002, 0.3454



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.0701, 0.2783, 0.3858



17.0755, 0.2724, 0.4024



10.1300, 0.2552, 0.3249



2.8769, 0.3053, 0.3384



11.9714, 0.2662, 0.4782



63.7745, 0.2688, 0.4878

Inverse Universe

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



5.7295, 0.3702, 0.2794



8.3800, 0.3911, 0.2683



5.6400, 0.4187, 0.3330



2.6072, 0.3208, 0.3198



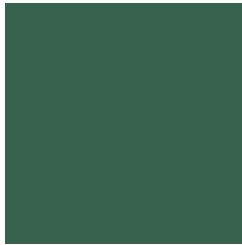
3.6970, 0.5050, 0.2556



19.5767, 0.5189, 0.2632

Previews

White Background



This preview shows how the Yxy color 10.0697, 0.2783, 0.3858 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 10.0697, 0.2783, 0.3858 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 10.0697, 0.2783, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 10.0697, 0.2783, 0.3858.



This preview shows how white text looks on a background with the Yxy color 10.0697, 0.2783, 0.3858.

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

10.0697, 0.2783, 0.3858

Protanopia

10.0055, 0.3461, 0.3687

Deuteranopia

10.0164, 0.3465, 0.3410



Tritanopia

10.1044, 0.2567, 0.3105

Trichromacy



Original Color

10.0697, 0.2783, 0.3858

Protanomaly

9.8246, 0.3169, 0.3741

Deuteranomaly

9.7763, 0.3180, 0.3548

Tritanomaly

10.0556, 0.2649, 0.3370

Monochromacy



Original Color

10.0697, 0.2783, 0.3858

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.9512, 0.2975, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0697, 0.2783, 0.3858 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(54, 98, 78) looks like.

```
.text, #text, p{  
    color:rgb(54, 98, 78)  
}
```

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(54, 98, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 98, 78) }
```

Border

The CSS property to change the border of an element to Yxy 10.0697, 0.2783, 0.3858 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(54, 98, 78) }
```

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

```
.border{ border-color:rgb(54, 98, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 98, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 98, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 98, 78);  
box-shadow:4px 4px 4px 4px rgb(54, 98, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0697, 0.2783, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 98, 78) }
```

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

```
.background{ background-color: rgb(54, 98,  
78) }
```

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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