

Converting Colors

$Y_{xy}(10.0868, 0.2793, 0.4656)$

Have a look what the booklet for
Yxy(10.0868, 0.2793, 0.4656)
contains.

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Color

Yxy(10.0895, 0.2798, 0.4662)

Conversions

Conversions Part 1

Format	Color
Hex	1F6639
RGB	31, 102, 57
RGB Percent	12%, 40%, 22%
CMY	0.8783, 0.6000, 0.7765
CMYK	0.70, 0.00, 0.44, 0.60
HSL	142°, 53%, 26%
HSV	142°, 70%, 40%
XYZ	6.0554, 10.0895, 5.4971
YIQ	75.6410, -27.8710, -29.0470

Conversions

Conversions Part 2

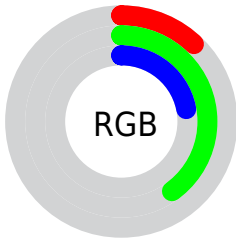
Format	Color
R_{YB}	31, 83, 102
Decimal	2057785
CIE Lab	38.00, -33.07, 19.19
CIE LCh	38, 38.236, 149.877
Yxy	10.0895, 0.2798, 0.4662
Android (android.graphics.Color)	4280247865 (0xFF1F6639)
YUV	75.6410, -9.1900, -39.1502
Hunter-Lab	31.7640, -21.5580, 11.9741

Details

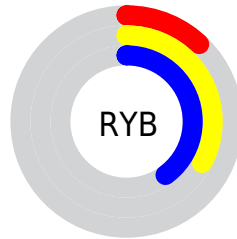
The Yxy color **10.0895, 0.2798, 0.4662** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3291, 0.3849, 0.2290**, and the grayscale version is **7.1809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0624, 0.2909, 0.4247**, and **2.6700, 0.2839, 0.5421** is the 20% darker color. If you saturate the color by 10%, you get **9.8952, 0.2790, 0.4892**, and if you desaturate by 10%, it is **10.3431, 0.2821, 0.4430**.

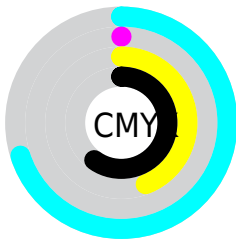
Distribution



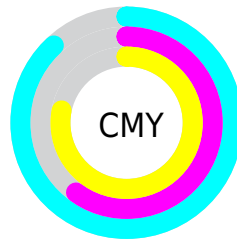
- Red (12%)
- Green (40%)
- Blue (22%)



- Red (12%)
- Yellow (33%)
- Blue (40%)



- Cyan (70%)
- Magenta (0%)
- Yellow (44%)
- Black (60%)





- Cyan (88%)
- Magenta (60%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0895, 0.2798, 0.4662 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 10.0895, 0.2798, 0.4662 by changing the saturation by 10% instead.


 10.0895, 0.2798,
0.4662


 10.0895, 0.2798,
0.4662


191.3097, 0.3030,
0.3757


 5.4583, 0.2690,
0.5028

 25.9637, 0.2910,
0.4251


 2.5186, 0.2493,
0.5649

 37.9755, 0.2942,
0.4126

 0.8859, 0.0377,
0.9623

 53.2164, 0.2966,
0.4029

 0.0000, 0.0000,
0.0000

 72.0706, 0.2984,
0.3952

 94.9227, 0.2999,
0.3889

 122.1570, 0.3011,

0.3837

154.1578, 0.3021,
0.3794

10.0895, 0.2798,
0.4662

10.0895, 0.2798,
0.4662

9.8952, 0.2790,
0.4892

10.3431, 0.2821,
0.4430

9.7537, 0.2798,
0.5111

10.6592, 0.2856,
0.4203

9.6428, 0.2812,
0.5318

11.0425, 0.2901,
0.3987

9.6382, 0.2813,
0.5326

11.4967, 0.2953,
0.3786

12.0252, 0.3010,
0.3601

■ 12.6312, 0.3069,
0.3434

■ 13.3179, 0.3130,
0.3284

■ 14.0881, 0.3189,
0.3151

■ 14.9445, 0.3248,
0.3033

Harmonies

Analogous

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



10.0895, 0.3631, 0.4935



10.0895, 0.2798, 0.4662



10.0895, 0.2101, 0.3787

Triad

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



10.0895, 0.2798, 0.4662



10.0895, 0.1897, 0.1998



10.0895, 0.4779, 0.3372

Complementary

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



10.0895, 0.2798, 0.4662



4.3291, 0.3849, 0.2290

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.



10.0895, 0.4176, 0.2784



10.0895, 0.2798, 0.4662



10.0895, 0.2447, 0.2033

Square

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



10.0895, 0.2798, 0.4662



10.0895, 0.1652, 0.2250



10.0895, 0.3273, 0.2311



10.0895, 0.4827, 0.4004

Rectangle

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



10.0895, 0.2798, 0.4662



10.0895, 0.1803, 0.3139



10.0895, 0.3273, 0.2311



10.0895, 0.4634, 0.3169

Sweetspot

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



10.0899, 0.2798, 0.4662



20.8905, 0.2998, 0.3637



11.1865, 0.3621, 0.5018



4.8862, 0.2987, 0.3671



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.



10.0899, 0.2798, 0.4662



17.1990, 0.2793, 0.5021



10.5561, 0.2455, 0.3589



3.1576, 0.3073, 0.3424



12.3714, 0.2820, 0.5351



64.3675, 0.2849, 0.5455

Inverse Universe

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



4.3291, 0.3849, 0.2290



6.3277, 0.4090, 0.2183



3.9715, 0.4931, 0.3068



2.8729, 0.3185, 0.3160



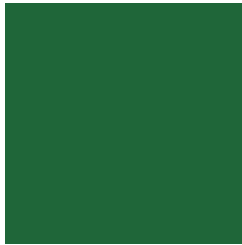
4.1062, 0.4341, 0.2165



21.2436, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 10.0895, 0.2798, 0.4662 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 10.0895, 0.2798, 0.4662 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 10.0895, 0.2798, 0.4662

Background



This preview shows how black text looks on a background with the Yxy color 10.0895, 0.2798, 0.4662.



This preview shows how white text looks on a background with the Yxy color 10.0895, 0.2798, 0.4662.

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

10.0895, 0.2798, 0.4662

Protanopia

9.9894, 0.3860, 0.4178

Deuteranopia

9.8981, 0.3900, 0.3847



Tritanopia

10.1772, 0.2436, 0.3102

Trichromacy



Original Color

10.0895, 0.2798, 0.4662

Protanomaly

9.7276, 0.3376, 0.4383

Deuteranomaly

9.4707, 0.3391, 0.4128

Tritanomaly

10.1040, 0.2564, 0.3630

Monochromacy



Original Color

10.0895, 0.2798, 0.4662

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.8873, 0.2960, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0895, 0.2798, 0.4662 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(31, 102, 57)` looks like.

```
.text, #text, p{  
    color:rgb(31, 102, 57)  
}
```

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(31, 102, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 102, 57) }
```

Border

The CSS property to change the border of an element to Yxy 10.0895, 0.2798, 0.4662 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(31, 102, 57) }
```

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

```
.border{ border-color:rgb(31, 102, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 102, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 102, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 102, 57);  
box-shadow:4px 4px 4px 4px rgb(31, 102,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0895, 0.2798, 0.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 102, 57) }
```

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

```
.background{ background-color: rgb(31, 102,  
57) }
```

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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