

Converting Colors

$Y_{xy}(9.9955, 0.2878, 0.5085)$

Have a look what the booklet for
Yxy(9.9955, 0.2878, 0.5085)
contains.

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Color

Yxy(10.0890, 0.2878, 0.5089)

Conversions

Conversions Part 1

Format	Color
Hex	19672C
RGB	25, 103, 44
RGB Percent	10%, 40%, 17%
CMY	0.9020, 0.5961, 0.8274
CMYK	0.76, 0.00, 0.57, 0.60
HSL	135°, 61%, 25%
HSV	135°, 76%, 40%
XYZ	5.7057, 10.0890, 4.0304
YIQ	72.9520, -27.5490, -34.8850

Conversions

Conversions Part 2

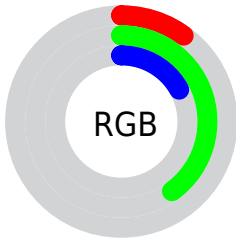
Format	Color
R_{YB}	25, 88, 103
Decimal	1664812
CIE _{Lab}	38.00, -36.99, 26.45
CIE _{LCh}	38, 45.475, 144.431
Yxy	10.0890, 0.2878, 0.5089
Android (android.graphics.Color)	4279854892 (0xFF19672C)
YUV	72.9520, -14.2733, -42.0539
Hunter-Lab	31.7632, -23.5214, 14.7109

Details

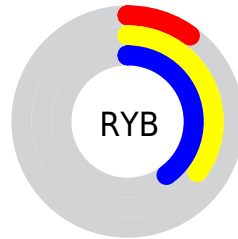
The Yxy color **10.0890, 0.2878, 0.5089** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2182, 0.3668, 0.2052**, and the grayscale version is **6.6826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9474, 0.2985, 0.4555**, and **2.7324, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **9.9287, 0.2882, 0.5334**, and if you desaturate by 10%, it is **10.3095, 0.2887, 0.4825**.

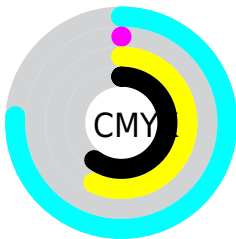
Distribution



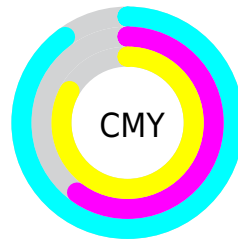
- Red (10%)
- Green (40%)
- Blue (17%)



- Red (10%)
- Yellow (35%)
- Blue (40%)



- Cyan (76%)
- Magenta (0%)
- Yellow (57%)
- Black (60%)





- Cyan (90%)
- Magenta (60%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0890, 0.2878, 0.5089 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 10.0890, 0.2878, 0.5089 by changing the saturation by 10% instead.


 10.0890, 0.2878,
0.5089


 10.0890, 0.2878,
0.5089


191.3061, 0.3079,
0.3896


 5.4580, 0.2759,
0.5566

 25.9628, 0.2986,
0.4548


 2.5184, 0.2605,
0.6560


 37.9743, 0.3014,
0.4381

 0.8858, 0.0000,
1.0000

 53.2149, 0.3033,
0.4253

 0.0000, 0.0000,
0.0000

 72.0688, 0.3048,
0.4152

 94.9205, 0.3059,
0.4069

 122.1543, 0.3067,

0.4001

154.1547, 0.3074,
0.3944

10.0890, 0.2878,
0.5089

10.0890, 0.2878,
0.5089

9.9287, 0.2882,
0.5334

10.3095, 0.2887,
0.4825

9.8152, 0.2895,
0.5550

10.5942, 0.2907,
0.4554

9.7717, 0.2898,
0.5633

10.9483, 0.2937,
0.4287

11.3761, 0.2973,
0.4034

11.8814, 0.3014,
0.3798

■ 12.4680, 0.3058,
0.3584

■ 13.1392, 0.3102,
0.3391

■ 13.8983, 0.3146,
0.3220

■ 14.7482, 0.3188,
0.3069

Harmonies

Analogous

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



10.0890, 0.3835, 0.5196



10.0890, 0.2878, 0.5089



10.0890, 0.2038, 0.4102

Triad

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



10.0890, 0.2878, 0.5089



10.0890, 0.1640, 0.1828



10.0890, 0.5000, 0.3219

Complementary

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



10.0890, 0.2878, 0.5089



4.2182, 0.3668, 0.2052

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.



10.0890, 0.4184, 0.2583



10.0890, 0.2878, 0.5089



10.0890, 0.2189, 0.1824

Square

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



10.0890, 0.2878, 0.5089



10.0890, 0.1429, 0.2159



10.0890, 0.3092, 0.2090



10.0890, 0.5146, 0.3920

Rectangle

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



10.0890, 0.2878, 0.5089



10.0890, 0.1665, 0.3286



10.0890, 0.3092, 0.2090



10.0890, 0.4791, 0.2997

Sweetspot

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



10.0894, 0.2878, 0.5089



21.4788, 0.3023, 0.3752



11.6930, 0.3780, 0.5048



5.1740, 0.3011, 0.3814



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.0894, 0.2878, 0.5089



17.6174, 0.2894, 0.5506



10.5197, 0.2512, 0.3897



3.1526, 0.3088, 0.3450



12.2883, 0.2904, 0.5653



63.9697, 0.2929, 0.5744

Inverse Universe

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



4.2182, 0.3668, 0.2052



6.4535, 0.3834, 0.1947



3.7741, 0.4887, 0.2868



2.8782, 0.3169, 0.3135



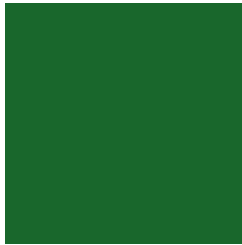
4.3123, 0.3906, 0.1925



22.3479, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 10.0890, 0.2878, 0.5089 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 10.0890, 0.2878, 0.5089 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 10.0890, 0.2878, 0.5089

Background



This preview shows how black text looks on a background with the Yxy color 10.0890, 0.2878, 0.5089.



This preview shows how white text looks on a background with the Yxy color 10.0890, 0.2878, 0.5089.

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

10.0890, 0.2878, 0.5089

Protanopia

9.9506, 0.4045, 0.4422

Deuteranopia

9.9700, 0.4147, 0.4090



Tritanopia

10.1502, 0.2409, 0.3075

Trichromacy



Original Color

10.0890, 0.2878, 0.5089

Protanomaly

9.5432, 0.3505, 0.4728

Deuteranomaly

9.4792, 0.3548, 0.4496

Tritanomaly

9.9603, 0.2572, 0.3754

Monochromacy



Original Color

10.0890, 0.2878, 0.5089

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.5292, 0.2999, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0890, 0.2878, 0.5089 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(25, 103, 44)` looks like.

```
.text, #text, p{  
    color:rgb(25, 103, 44)  
}
```

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(25, 103, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 103, 44) }
```

Border

The CSS property to change the border of an element to Yxy 10.0890, 0.2878, 0.5089 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(25, 103, 44) }
```

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

```
.border{ border-color:rgb(25, 103, 44) }
```

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

Here you see how a box with a 4 pixel rgb(25, 103, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 103, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 103, 44);  
box-shadow:4px 4px 4px 4px rgb(25, 103,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0890, 0.2878, 0.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 103, 44) }
```

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

```
.background{ background-color: rgb(25, 103,  
44) }
```

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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