

Converting Colors

$Y_{xy}(29.9837, 0.2754, 0.3789)$

Have a look what the booklet for
Yxy(29.9837, 0.2754, 0.3789)
contains.

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Color

$Y_{xy}(29.8890, 0.2758, 0.3793)$

Conversions

Conversions Part 1

Format	Color
Hex	5DA286
RGB	93, 162, 134
RGB Percent	36%, 64%, 53%
CMY	0.6355, 0.3647, 0.4745
CMYK	0.43, 0.00, 0.17, 0.36
HSL	156°, 27%, 50%
HSV	156°, 43%, 64%
XYZ	21.7332, 29.8890, 27.1783
YIQ	138.1770, -32.1360, -23.3360

Conversions

Conversions Part 2

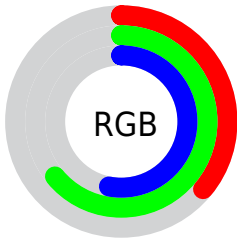
Format	Color
R_{YB}	93, 136, 162
Decimal	6136454
CIE _{Lab}	61.56, -28.55, 7.79
CIE _{LCh}	62, 29.599, 164.731
Yxy	29.8890, 0.2758, 0.3793
Android (android.graphics.Color)	4284326534 (0xFF5DA286)
YUV	138.1770, -2.0593, -39.6202
Hunter-Lab	54.6708, -24.7153, 8.7950

Details

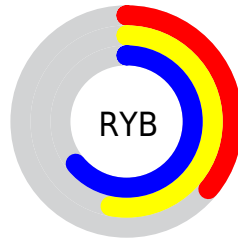
The Yxy color **29.8890, 0.2758, 0.3793** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.8805, 0.3754, 0.2847**, and the grayscale version is **25.4995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3246, 0.2834, 0.3684**, and **12.2431, 0.2629, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **28.9554, 0.2695, 0.3937**, and if you desaturate by 10%, it is **31.0155, 0.2833, 0.3658**.

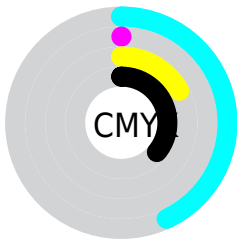
Distribution



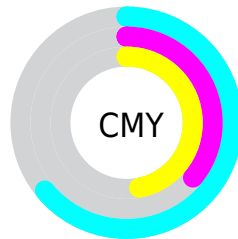
- Red (36%)
- Green (64%)
- Blue (53%)



- Red (36%)
- Yellow (53%)
- Blue (64%)



- Cyan (43%)
- Magenta (0%)
- Yellow (17%)
- Black (36%)





- Cyan (64%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8890, 0.2758, 0.3793 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 29.8890, 0.2758, 0.3793 by changing the saturation by 10% instead.


 29.8890, 0.2758,
0.3793


 29.8890, 0.2758,
0.3793


301.3867, 0.2960,
0.3515


 19.7544, 0.2701,
0.3873


 59.4866, 0.2836,
0.3685


 12.2166, 0.2623,
0.3983


 79.7183, 0.2864,
0.3646

 6.8914, 0.2512,
0.4144


 104.0845, 0.2887,
0.3614

 3.3943, 0.2337,
0.4401

 132.9696, 0.2906,
0.3588

 1.3409, 0.1917,
0.4951

166.7580, 0.2923,
0.3566

 0.1725, 0.0000,
1.0000

205.8341, 0.2937,

 0.0000, 0.0000,

0.3546

0.0000

250.5822, 0.2949,
0.3529

■ 29.8890, 0.2758,
0.3793

■ 29.8890, 0.2758,
0.3793

■ 28.9554, 0.2695,
0.3937

■ 31.0155, 0.2833,
0.3658

■ 28.1994, 0.2647,
0.4088

■ 32.3418, 0.2917,
0.3533

■ 27.6094, 0.2617,
0.4243


■ 33.8790, 0.3008,
0.3419

■ 27.1704, 0.2606,
0.4398


■ 35.6362, 0.3102,
0.3315

■ 26.8651, 0.2614,
0.4552

■ 37.6220, 0.3198,
0.3223

 26.6951, 0.2629,
0.4663

 39.8447, 0.3293,
0.3141

 42.3118, 0.3387,
0.3068

 45.0308, 0.3479,
0.3004

 48.0087, 0.3567,
0.2949

Harmonies

Analogous

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



29.8890, 0.3218, 0.4106



29.8890, 0.2758, 0.3793



29.8890, 0.2414, 0.3322

Triad

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



29.8890, 0.2758, 0.3793



29.8890, 0.2563, 0.2522



29.8890, 0.4081, 0.3576

Complementary

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



29.8890, 0.2758, 0.3793



16.8805, 0.3754, 0.2847

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.



29.8890, 0.3884, 0.3194



29.8890, 0.2758, 0.3793



29.8890, 0.2977, 0.2613

Square

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



29.8890, 0.2758, 0.3793



29.8890, 0.2311, 0.2610



29.8890, 0.3467, 0.2852



29.8890, 0.3997, 0.3924

Rectangle

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



29.8890, 0.2758, 0.3793



29.8890, 0.2287, 0.3019



29.8890, 0.3467, 0.2852



29.8890, 0.4046, 0.3448

Sweetspot

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



29.8902, 0.2758, 0.3793



61.3124, 0.3002, 0.3425



30.7513, 0.3330, 0.4476



13.6311, 0.2983, 0.3449



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.8902, 0.2758, 0.3793



52.6604, 0.2699, 0.3927



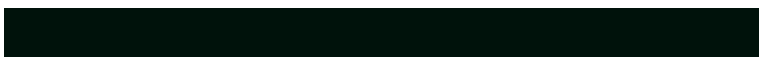
28.7961, 0.2543, 0.3189



7.9624, 0.3039, 0.3383



21.0364, 0.2625, 0.4650



0.4510, 0.2472, 0.4098

Inverse Universe

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



16.8805, 0.3754, 0.2847



25.9089, 0.3965, 0.2756



17.3385, 0.4161, 0.3386



7.1314, 0.3224, 0.3199



6.3668, 0.5310, 0.2699



0.1430, 0.4407, 0.2201

Previews

White Background



This preview shows how the Yxy color 29.8890, 0.2758, 0.3793 looks on a white 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

Black Background



This preview shows how the Yxy color 29.8890, 0.2758, 0.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

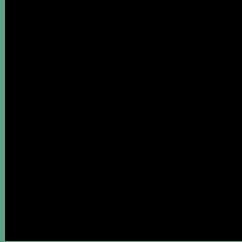
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8890, 0.2758, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 29.8890, 0.2758, 0.3793.

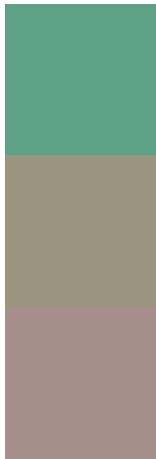


This preview shows how white text looks on a background with the Yxy color 29.8890, 0.2758, 0.3793.

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

29.8890, 0.2758, 0.3793

Protanopia

29.6807, 0.3409, 0.3622

Deuteranopia

29.5869, 0.3429, 0.3366



Tritanopia

29.8410, 0.2553, 0.3073

Trichromacy



Original Color

29.8890, 0.2758, 0.3793

Protanomaly

29.2997, 0.3129, 0.3676

Deuteranomaly

29.1078, 0.3138, 0.3503

Tritanomaly

29.8832, 0.2627, 0.3323

Monochromacy



Original Color

29.8890, 0.2758, 0.3793

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.8112, 0.2968, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8890, 0.2758, 0.3793 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(93, 162, 134)` looks like.

```
.text, #text, p{  
    color:rgb(93, 162, 134)  
}
```

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(93, 162, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 162, 134) }
```

Border

The CSS property to change the border of an element to Yxy 29.8890, 0.2758, 0.3793 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(93, 162, 134) }
```

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

```
.border{ border-color:rgb(93, 162, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 162, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 162, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 162, 134);  
box-shadow:4px 4px 4px 4px rgb(93, 162,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8890, 0.2758, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 162, 134) }
```

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

```
.background{ background-color: rgb(93, 162,  
134) }
```

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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