

Converting Colors

$Y_{xy}(25.7132, 0.2711, 0.3791)$

Have a look what the booklet for
Yxy(25.7132, 0.2711, 0.3791)
contains.

Yxy(25.7122, 0.2711, 0.3791)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.7122, 0.2711, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	51987E
RGB	81, 152, 126
RGB Percent	32%, 60%, 49%
CMY	0.6823, 0.4039, 0.5060
CMYK	0.47, 0.00, 0.17, 0.40
HSL	158°, 30%, 46%
HSV	158°, 47%, 60%
XYZ	18.3872, 25.7122, 23.7249
YIQ	127.8070, -33.9700, -23.1380

Conversions

Conversions Part 2

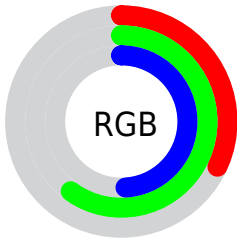
Format	Color
R_{YB}	81, 124, 152
Decimal	5347454
CIE _{Lab}	57.76, -28.77, 6.83
CIE _{LCh}	58, 29.567, 166.649
Yxy	25.7122, 0.2711, 0.3791
Android (android.graphics.Color)	4283537534 (0xFF51987E)
YUV	127.8070, -0.8909, -41.0497
Hunter-Lab	50.7072, -24.0109, 7.7544

Details

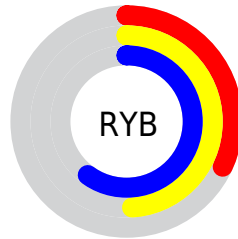
The Yxy color **25.7122, 0.2711, 0.3791** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.6252, 0.3885, 0.2854**, and the grayscale version is **21.5292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9487, 0.2798, 0.3678**, and **9.8568, 0.2545, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **24.9752, 0.2650, 0.3922**, and if you desaturate by 10%, it is **26.6096, 0.2785, 0.3667**.

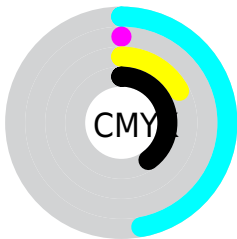
Distribution



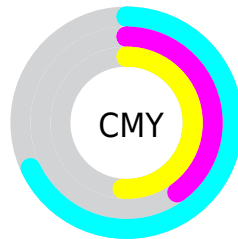
- Red (32%)
- Green (60%)
- Blue (49%)



- Red (32%)
- Yellow (49%)
- Blue (60%)



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)
- Black (40%)




- Cyan (68%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7122, 0.2711, 0.3791 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 25.7122, 0.2711, 0.3791 by changing the saturation by 10% instead.


 25.7122, 0.2711,
0.3791


 25.7122, 0.2711,
0.3791


281.3664, 0.2943,
0.3508


 16.6085, 0.2644,
0.3875


 52.8103, 0.2802,
0.3679


 9.9557, 0.2550,
0.3993


 71.5734, 0.2834,
0.3640


 5.3696, 0.2413,
0.4171

 94.3252, 0.2860,
0.3608

 2.4657, 0.2192,
0.4465

 121.4499, 0.2882,
0.3581

 0.8594, 0.0800,
0.6000

 153.3319, 0.2901,
0.3559

 0.0000, 0.0000,
0.0000

190.3558, 0.2917,

0.3539

232.9058, 0.2931,
0.3523

■ 25.7122, 0.2711,
0.3791

■ 25.7122, 0.2711,
0.3791

■ 24.9752, 0.2650,
0.3922

■ 26.6096, 0.2785,
0.3667

■ 24.3852, 0.2606,
0.4058

■ 27.6737, 0.2870,
0.3552

■ 23.9318, 0.2579,
0.4196


■ 28.9140, 0.2963,
0.3446

■ 23.6016, 0.2573,
0.4336


■ 30.3386, 0.3060,
0.3349

■ 23.3738, 0.2584,
0.4473

■ 31.9550, 0.3160,
0.3262

 23.3071, 0.2588,
0.4518

 33.7702, 0.3261,
0.3185

 35.7910, 0.3362,
0.3116

 38.0237, 0.3460,
0.3055

 40.4745, 0.3555,
0.3002

Harmonies

Analogous

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



25.7122, 0.3188, 0.4138



25.7122, 0.2711, 0.3791



25.7122, 0.2363, 0.3290

Triad

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



25.7122, 0.2711, 0.3791



25.7122, 0.2559, 0.2488



25.7122, 0.4133, 0.3611

Complementary

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



25.7122, 0.2711, 0.3791



13.6252, 0.3885, 0.2854

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.



25.7122, 0.3944, 0.3212



25.7122, 0.2711, 0.3791



25.7122, 0.3001, 0.2594

Square

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



25.7122, 0.2711, 0.3791



25.7122, 0.2285, 0.2565



25.7122, 0.3515, 0.2852



25.7122, 0.4024, 0.3972

Rectangle

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



25.7122, 0.2711, 0.3791



25.7122, 0.2241, 0.2975



25.7122, 0.3515, 0.2852



25.7122, 0.4103, 0.3478

Sweetspot

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



25.7132, 0.2711, 0.3791



51.6144, 0.2986, 0.3422



26.1803, 0.3306, 0.4608



11.6223, 0.2967, 0.3442



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.7132, 0.2711, 0.3791



44.0368, 0.2648, 0.3927



23.5235, 0.2489, 0.3112



6.9881, 0.3035, 0.3373



19.5478, 0.2586, 0.4509



0.2992, 0.2421, 0.3916

Inverse Universe

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



13.6252, 0.3885, 0.2854



20.0260, 0.4152, 0.2769



14.6636, 0.4271, 0.3454



6.2583, 0.3229, 0.3209



5.8399, 0.5457, 0.2780



0.0939, 0.4429, 0.2214

Previews

White Background



This preview shows how the Yxy color 25.7122, 0.2711, 0.3791 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 25.7122, 0.2711, 0.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

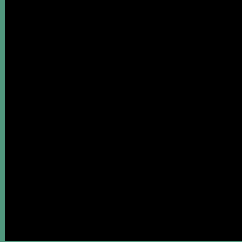
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7122, 0.2711, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 25.7122, 0.2711, 0.3791.

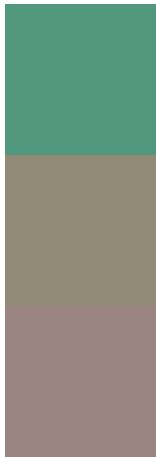


This preview shows how white text looks on a background with the Yxy color 25.7122, 0.2711, 0.3791.

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

25.7122, 0.2711, 0.3791

Protanopia

25.5286, 0.3406, 0.3609

Deuteranopia

25.2568, 0.3404, 0.3339



Tritanopia

25.5443, 0.2517, 0.3075

Trichromacy



Original Color

25.7122, 0.2711, 0.3791

Protanomaly

25.1876, 0.3109, 0.3666

Deuteranomaly

24.8532, 0.3097, 0.3483

Tritanomaly

25.6277, 0.2588, 0.3325

Monochromacy



Original Color

25.7122, 0.2711, 0.3791

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.8031, 0.2947, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7122, 0.2711, 0.3791 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(81, 152, 126)` looks like.

```
.text, #text, p{  
    color:rgb(81, 152, 126)  
}
```

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(81, 152, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 152, 126) }
```

Border

The CSS property to change the border of an element to Yxy 25.7122, 0.2711, 0.3791 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(81, 152, 126) }
```

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

```
.border{ border-color:rgb(81, 152, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 152, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 152, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 152, 126);  
box-shadow:4px 4px 4px 4px rgb(81, 152,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7122, 0.2711, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 152, 126) }
```

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

```
.background{ background-color: rgb(81, 152,  
126) }
```

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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