

Converting Colors

$Yxy(25.4771, 0.2721, 0.4887)$

Have a look what the booklet for
Yxy(25.4771, 0.2721, 0.4887)
contains.

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Color

$Y_{xy}(25.5650, 0.2720, 0.4880)$

Conversions

Conversions Part 1

Format	Color
Hex	129F54
RGB	18, 159, 84
RGB Percent	7%, 62%, 33%
CMY	0.9291, 0.3765, 0.6705
CMYK	0.89, 0.00, 0.47, 0.38
HSL	148°, 80%, 35%
HSV	148°, 89%, 62%
XYZ	14.2493, 25.5650, 12.5730
YIQ	108.2910, -59.9610, -53.2170

Conversions

Conversions Part 2

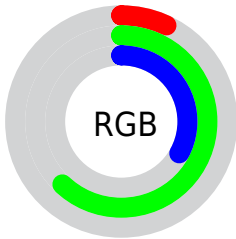
Format	Color
RYB	18, 114, 159
Decimal	1220436
CIELab	57.62, -51.72, 29.54
CIELCh	58, 59.562, 150.264
Yxy	25.5650, 0.2720, 0.4880
Android (android.graphics.Color)	4279410516 (0xFF129F54)
YUV	108.2910, -11.9755, -79.1852
Hunter-Lab	50.5618, -38.1783, 20.6500

Details

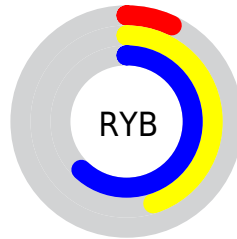
The Yxy color **25.5650, 0.2720, 0.4880** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.5982, 0.4549, 0.2371**, and the grayscale version is **15.1375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6773, 0.2832, 0.4494**, and **10.4416, 0.2828, 0.5381** is the 20% darker color. If you saturate the color by 10%, you get **25.3260, 0.2745, 0.5069**, and if you desaturate by 10%, it is **25.9172, 0.2711, 0.4681**.

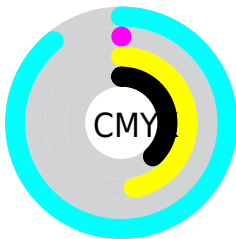
Distribution



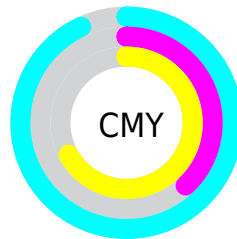
- Red (7%)
- Green (62%)
- Blue (33%)



- Red (7%)
- Yellow (45%)
- Blue (62%)



- Cyan (89%)
- Magenta (0%)
- Yellow (47%)
- Black (38%)




- Cyan (93%)
- Magenta (38%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5650, 0.2720, 0.4880 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 25.5650, 0.2720, 0.4880 by changing the saturation by 10% instead.


 25.5650, 0.2720,
0.4880


 25.5650, 0.2720,
0.4880


280.6401, 0.2980,
0.3941

 16.4985, 0.2627,
0.5175


 52.5723, 0.2833,
0.4497


 9.8776, 0.2487,
0.5594


 71.2820, 0.2869,
0.4367

 5.3179, 0.2255,
0.6227

 93.9748, 0.2898,
0.4261

 2.4349, 0.1918,
0.7892

 121.0351, 0.2921,
0.4174

 0.8438, 0.0000,
1.0000

 152.8475, 0.2940,
0.4102

 0.0000, 0.0000,
0.0000

 189.7961, 0.2956,

0.4040

232.2656, 0.2969,
0.3987

■ 25.5650, 0.2720,
0.4880

■ 25.5650, 0.2720,
0.4880

■ 25.3260, 0.2745,
0.5069

■ 25.9172, 0.2711,
0.4681

■ 25.2959, 0.2749,
0.5095

■ 26.4099, 0.2721,
0.4475

■ 27.0600, 0.2748,
0.4271

■ 27.8809, 0.2792,
0.4072

■ 28.8849, 0.2848,
0.3884

■ 30.0828, 0.2913,
0.3709

■ 31.4847, 0.2985,
0.3548

■ 33.0999, 0.3061,
0.3403

■ 34.9371, 0.3138,
0.3273

Harmonies

Analogous

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



25.5650, 0.3647, 0.5169



25.5650, 0.2720, 0.4880



25.5650, 0.1955, 0.3838

Triad

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



25.5650, 0.2720, 0.4880



25.5650, 0.1763, 0.1850



25.5650, 0.5012, 0.3360

Complementary

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



25.5650, 0.2720, 0.4880



8.5982, 0.4549, 0.2371

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.



25.5650, 0.4334, 0.2722



25.5650, 0.2720, 0.4880



25.5650, 0.2366, 0.1898

Square

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



25.5650, 0.2720, 0.4880



25.5650, 0.1494, 0.2108



25.5650, 0.3297, 0.2205



25.5650, 0.5030, 0.4052

Rectangle

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



25.5650, 0.2720, 0.4880



25.5650, 0.1640, 0.3084



25.5650, 0.3297, 0.2205



25.5650, 0.4853, 0.3139

Sweetspot

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



25.5660, 0.2720, 0.4880



54.1355, 0.2921, 0.3690



27.1801, 0.3468, 0.5530



12.0388, 0.2899, 0.3744



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.5660, 0.2720, 0.4880



45.2641, 0.2758, 0.5127



27.2690, 0.2291, 0.3376



7.4501, 0.3056, 0.3411



19.9878, 0.2744, 0.5079



0.3659, 0.2536, 0.4330

Inverse Universe

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



8.5982, 0.4549, 0.2371



14.3248, 0.4838, 0.2439



7.8675, 0.6091, 0.3267



6.7022, 0.3205, 0.3172



6.3435, 0.4783, 0.2409



0.1219, 0.4023, 0.1990

Previews

White Background



This preview shows how the Yxy color 25.5650, 0.2720, 0.4880 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 25.5650, 0.2720, 0.4880 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 25.5650, 0.2720, 0.4880

Background



This preview shows how black text looks on a background with the Yxy color 25.5650, 0.2720, 0.4880.



This preview shows how white text looks on a background with the Yxy color 25.5650, 0.2720, 0.4880.

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

25.5650, 0.2720, 0.4880

Protanopia

25.2781, 0.3929, 0.4290

Deuteranopia

24.9873, 0.3995, 0.3911



Tritanopia

25.4455, 0.2341, 0.3068

Trichromacy



Original Color

25.5650, 0.2720, 0.4880



Protanomaly

24.0058, 0.3298, 0.4580



Deuteranomaly

23.1991, 0.3332, 0.4302



Tritanomaly

25.0845, 0.2459, 0.3667

Monochromacy



Original Color

25.5650, 0.2720, 0.4880



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.5755, 0.2842, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5650, 0.2720, 0.4880 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(18, 159, 84)` looks like.

```
.text, #text, p{  
    color:rgb(18, 159, 84)  
}
```

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(18, 159, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 159, 84) }
```

Border

The CSS property to change the border of an element to Yxy 25.5650, 0.2720, 0.4880 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(18, 159, 84) }
```

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

```
.border{ border-color:rgb(18, 159, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 159, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 159, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 159, 84);  
box-shadow:4px 4px 4px 4px rgb(18, 159,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5650, 0.2720, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 159, 84) }
```

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

```
.background{ background-color: rgb(18, 159,  
84) }
```

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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