

Converting Colors

$Y_{xy}(25.2009, 0.2339, 0.2774)$

Have a look what the booklet for
Yxy(25.2009, 0.2339, 0.2774)
contains.

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Color

$\text{Yxy}(25.0514, 0.2339, 0.2768)$

Conversions

Conversions Part 1

Format	Color
Hex	5091AF
RGB	80, 145, 175
RGB Percent	31%, 57%, 69%
CMY	0.6865, 0.4313, 0.3137
CMYK	0.54, 0.17, 0.00, 0.31
HSL	199°, 37%, 50%
HSV	199°, 54%, 69%
XYZ	21.1688, 25.0514, 44.2834
YIQ	128.9850, -48.3700, -4.4500

Conversions

Conversions Part 2

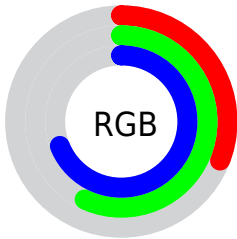
Format	Color
R _Y B	80, 119, 175
Decimal	5280175
CIE Lab	57.13, -12.12, -22.10
CIE LCh	57, 25.205, 241.267
Yxy	25.0514, 0.2339, 0.2768
Android (android.graphics.Color)	4283470255 (0xFF5091AF)
YUV	128.9850, 22.6854, -42.9598
Hunter-Lab	50.0514, -12.0949, -17.4214

Details

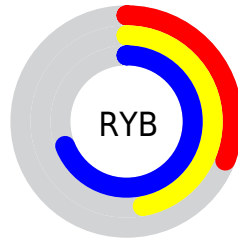
The Yxy color **25.0514, 0.2339, 0.2768** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.8349, 0.4424, 0.3732**, and the grayscale version is **21.8755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8506, 0.2499, 0.2879**, and **9.6751, 0.2082, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **22.7404, 0.2222, 0.2652**, and if you desaturate by 10%, it is **27.6447, 0.2470, 0.2880**.

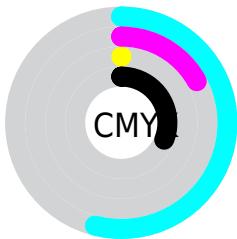
Distribution



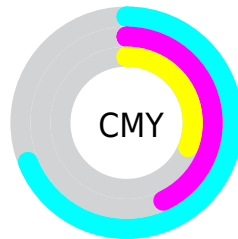
- Red (31%)
- Green (57%)
- Blue (69%)



- Red (31%)
- Yellow (47%)
- Blue (69%)



- Cyan (54%)
- Magenta (17%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0514, 0.2339, 0.2768 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 25.0514, 0.2339, 0.2768 by changing the saturation by 10% instead.

■ 25.0514, 0.2339,
0.2768

■ 25.0514, 0.2339,
0.2768

■ 278.0938, 0.2760,
0.3060

■ 16.1154, 0.2226,
0.2685

■ 51.7406, 0.2498,
0.2882

■ 9.6058, 0.2076,
0.2571

■ 70.2625, 0.2556,
0.2922

■ 5.1384, 0.1869,
0.2408

■ 92.7486, 0.2605,
0.2955

■ 2.3287, 0.1572,
0.2158

■ 119.5831, 0.2645,
0.2983

■ 0.7888, 0.1013,
0.1760

■ 151.1505, 0.2680,
0.3006

■ 0.0000, 0.0000,
0.0000

187.8351, 0.2711,

0.3027

230.0214, 0.2737,
0.3044

■ 25.0514, 0.2339,
0.2768

■ 25.0514, 0.2339,
0.2768

■ 22.7404, 0.2222,
0.2652

■ 27.6447, 0.2470,
0.2880

■ 20.6919, 0.2123,
0.2533

■ 30.5328, 0.2610,
0.2985

■ 18.8877, 0.2042,
0.2414

■ 33.7304, 0.2758,
0.3084

■ 17.3046, 0.1982,
0.2296

■ 37.2503, 0.2910,
0.3174

■ 16.4751, 0.1953,
0.2230

■ 41.1047, 0.3062,
0.3257

■ 45.3049, 0.3212,
0.3331

■ 49.8615, 0.3359,
0.3398

■ 54.7847, 0.3501,
0.3457

■ 60.0844, 0.3637,
0.3509

Harmonies

Analogous

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



25.0514, 0.2378, 0.3093



25.0514, 0.2339, 0.2768



25.0514, 0.2491, 0.2607

Triad

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



25.0514, 0.2339, 0.2768



25.0514, 0.3659, 0.3057



25.0514, 0.3406, 0.4069

Complementary

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



25.0514, 0.2339, 0.2768



20.8349, 0.4424, 0.3732

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.



25.0514, 0.3777, 0.3995



25.0514, 0.2339, 0.2768



25.0514, 0.3938, 0.3398

Square

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



25.0514, 0.2339, 0.2768



25.0514, 0.3237, 0.2779



25.0514, 0.3979, 0.3738



25.0514, 0.2976, 0.3894

Rectangle

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



25.0514, 0.2339, 0.2768



25.0514, 0.2687, 0.2595



25.0514, 0.3979, 0.3738



25.0514, 0.3542, 0.4070

Sweetspot

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



25.0523, 0.2339, 0.2768



65.4234, 0.2880, 0.3157



33.4608, 0.2869, 0.4493



14.2540, 0.2849, 0.3139



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



25.0523, 0.2339, 0.2768



40.0253, 0.2203, 0.2631



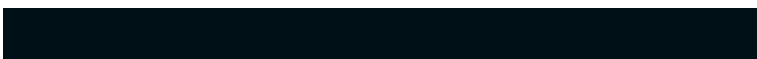
13.7147, 0.2165, 0.1915



8.6392, 0.2986, 0.3217



11.9104, 0.1957, 0.2243



0.4236, 0.2055, 0.2598

Inverse Universe

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



16.8895, 0.3601, 0.2371



25.2886, 0.3749, 0.2217



33.4707, 0.4034, 0.4353



8.1044, 0.3184, 0.3136



7.5054, 0.4186, 0.2080



0.2181, 0.3826, 0.1882

Previews

White Background



This preview shows how the Yxy color 25.0514, 0.2339, 0.2768 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 25.0514, 0.2339, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

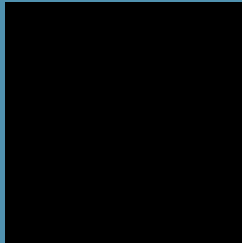
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0514, 0.2339, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 25.0514, 0.2339, 0.2768.

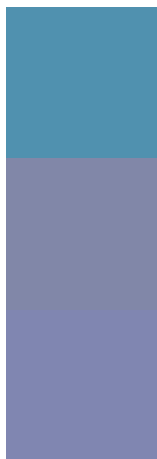


This preview shows how white text looks on a background with the Yxy color 25.0514, 0.2339, 0.2768.

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

25.0514, 0.2339, 0.2768

Protanopia

24.8222, 0.2750, 0.2754

Deuteranopia

24.8137, 0.2663, 0.2606



Tritanopia

25.1737, 0.2409, 0.3070

Trichromacy



Original Color

25.0514, 0.2339, 0.2768

Protanomaly

24.7850, 0.2571, 0.2753

Deuteranomaly

24.6911, 0.2531, 0.2661

Tritanomaly

25.1205, 0.2385, 0.2966

Monochromacy



Original Color

25.0514, 0.2339, 0.2768

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.7828, 0.2769, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0514, 0.2339, 0.2768 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(80, 145, 175)` looks like.

```
.text, #text, p{  
    color:rgb(80, 145, 175)  
}
```

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(80, 145, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 145, 175) }
```

Border

The CSS property to change the border of an element to Yxy 25.0514, 0.2339, 0.2768 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(80, 145, 175) }
```

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

```
.border{ border-color:rgb(80, 145, 175) }
```

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

Here you see how a box with a 4 pixel rgb(80, 145, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 145, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 145, 175);  
box-shadow:4px 4px 4px 4px rgb(80, 145,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0514, 0.2339, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 145, 175) }
```

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

```
.background{ background-color: rgb(80, 145,  
175) }
```

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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