

Converting Colors

$Y_{xy}(25.7361, 0.2131, 0.2606)$

Have a look what the booklet for
Yxy(25.7361, 0.2131, 0.2606)
contains.

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Color

Yxy(25.7499, 0.2131, 0.2606)

Conversions

Conversions Part 1

Format	Color
Hex	2E95BD
RGB	46, 149, 189
RGB Percent	18%, 58%, 74%
CMY	0.8199, 0.4157, 0.2588
CMYK	0.76, 0.21, 0.00, 0.26
HSL	197°, 61%, 46%
HSV	197°, 76%, 74%
XYZ	21.0564, 25.7499, 52.0037
YIQ	122.7630, -74.2280, -9.3960

Conversions

Conversions Part 2

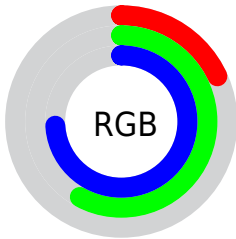
Format	Color
R_{YB}	46, 106, 189
Decimal	3052989
CIE _{Lab}	57.80, -15.56, -29.10
CIE _{LCh}	58, 32.993, 241.867
Yxy	25.7499, 0.2131, 0.2606
Android (android.graphics.Color)	4281243069 (0xFF2E95BD)
YUV	122.7630, 32.6548, -67.3212
Hunter-Lab	50.7444, -14.7339, -25.2404

Details

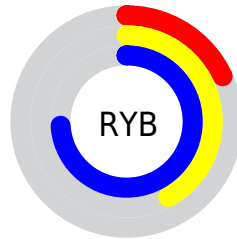
The Yxy color **25.7499, 0.2131, 0.2606** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.6571, 0.5261, 0.3746**, and the grayscale version is **19.6277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7492, 0.2325, 0.2755**, and **10.4846, 0.2000, 0.2399** is the 20% darker color. If you saturate the color by 10%, you get **23.7711, 0.2059, 0.2501**, and if you desaturate by 10%, it is **27.9994, 0.2222, 0.2711**.

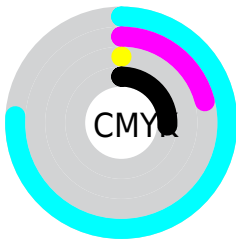
Distribution



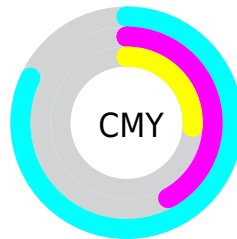
- Red (18%)
- Green (58%)
- Blue (74%)



- Red (18%)
- Yellow (42%)
- Blue (74%)



- Cyan (76%)
- Magenta (21%)
- Yellow (0%)
- Black (26%)





- Cyan (82%)
- Magenta (42%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7499, 0.2131, 0.2606 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 25.7499, 0.2131, 0.2606 by changing the saturation by 10% instead.


 25.7499, 0.2131,
0.2606


 25.7499, 0.2131,
0.2606


281.5522, 0.2654,
0.2985


 16.6366, 0.1995,
0.2500


 52.8712, 0.2325,
0.2752

 9.9758, 0.1820,
0.2358


 71.6480, 0.2397,
0.2805

 5.3829, 0.1586,
0.2160

 94.4148, 0.2457,
0.2848

 2.4736, 0.1267,
0.1870

 121.5560, 0.2508,
0.2884

 0.8634, 0.0735,
0.1439

 153.4559, 0.2552,
0.2915

 0.0000, 0.0000,
0.0000

190.4990, 0.2591,

0.2942

233.0696, 0.2624,
0.2965

■ 25.7499, 0.2131,
0.2606

■ 25.7499, 0.2131,
0.2606

■ 23.7711, 0.2059,
0.2501

■ 27.9994, 0.2222,
0.2711

■ 22.0310, 0.2007,
0.2397

■ 30.5403, 0.2332,
0.2813

■ 21.3312, 0.1987,
0.2353

■ 33.3940, 0.2456,
0.2912

■ 36.5786, 0.2593,
0.3007

■ 40.1107, 0.2738,
0.3095

■ 44.0057, 0.2888,
0.3176

■ 48.2778, 0.3040,
0.3251

■ 52.9403, 0.3192,
0.3318

■ 58.0059, 0.3342,
0.3378

Harmonies

Analogous

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



25.7499, 0.2170, 0.3011



25.7499, 0.2131, 0.2606



25.7499, 0.2323, 0.2419

Triad

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



25.7499, 0.2131, 0.2606



25.7499, 0.3827, 0.2995



25.7499, 0.3462, 0.4312

Complementary

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



25.7499, 0.2131, 0.2606



17.6571, 0.5261, 0.3746

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.



25.7499, 0.3947, 0.4195



25.7499, 0.2131, 0.2606



25.7499, 0.4187, 0.3419

Square

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



25.7499, 0.2131, 0.2606



25.7499, 0.3274, 0.2649



25.7499, 0.4224, 0.3851



25.7499, 0.2910, 0.4083

Rectangle

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



25.7499, 0.2131, 0.2606



25.7499, 0.2570, 0.2413



25.7499, 0.4224, 0.3851



25.7499, 0.3638, 0.4308

Sweetspot

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



25.7508, 0.2131, 0.2606



73.4082, 0.2772, 0.3114



37.6153, 0.2862, 0.5146



15.2663, 0.2719, 0.3084



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



25.7508, 0.2131, 0.2606



40.4269, 0.2022, 0.2431



9.8895, 0.1814, 0.1366



10.3464, 0.2985, 0.3224



14.4865, 0.1991, 0.2366



0.6725, 0.2059, 0.2613

Inverse Universe

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



14.9369, 0.3793, 0.2069



23.3511, 0.3986, 0.2007



34.6633, 0.4412, 0.4593



9.6495, 0.3179, 0.3126



8.4921, 0.4058, 0.2009



0.3432, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 25.7499, 0.2131, 0.2606 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 25.7499, 0.2131, 0.2606 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 25.7499, 0.2131, 0.2606

Background



This preview shows how black text looks on a background with the Yxy color 25.7499, 0.2131, 0.2606.

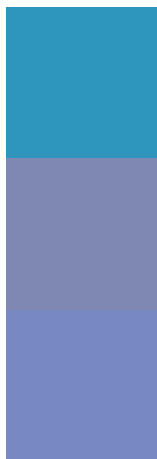


This preview shows how white text looks on a background with the Yxy color 25.7499, 0.2131, 0.2606.

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

25.7499, 0.2131, 0.2606

Protanopia

25.2986, 0.2633, 0.2607

Deuteranopia

25.4072, 0.2485, 0.2423



Tritanopia

25.6951, 0.2204, 0.3047

Trichromacy



Original Color

25.7499, 0.2131, 0.2606

Protanomaly

25.0100, 0.2385, 0.2594

Deuteranomaly

25.1385, 0.2310, 0.2477

Tritanomaly

25.7885, 0.2176, 0.2891

Monochromacy



Original Color

25.7499, 0.2131, 0.2606

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.0420, 0.2606, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7499, 0.2131, 0.2606 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(46, 149, 189)` looks like.

```
.text, #text, p{  
  color:rgb(46, 149, 189)  
}
```

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(46, 149, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 149, 189) }
```

Border

The CSS property to change the border of an element to Yxy 25.7499, 0.2131, 0.2606 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(46, 149, 189) }
```

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

```
.border{ border-color:rgb(46, 149, 189) }
```

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

Here you see how a box with a 4 pixel rgb(46, 149, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 149, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 149, 189);  
box-shadow:4px 4px 4px 4px rgb(46, 149,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7499, 0.2131, 0.2606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 149, 189) }
```

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

```
.background{ background-color: rgb(46, 149,  
189) }
```

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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