

Converting Colors

$Y_{xy}(25.2892, 0.2097, 0.2525)$

Have a look what the booklet for
Yxy(25.2892, 0.2097, 0.2525)
contains.

Yxy(25.1654, 0.2097, 0.2524)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.1654, 0.2097, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	2A93C0
RGB	42, 147, 192
RGB Percent	16%, 58%, 75%
CMY	0.8347, 0.4236, 0.2470
CMYK	0.78, 0.23, 0.00, 0.25
HSL	198°, 64%, 46%
HSV	198°, 78%, 75%
XYZ	20.9080, 25.1654, 53.6310
YIQ	120.7350, -77.0250, -8.2650

Conversions

Conversions Part 2

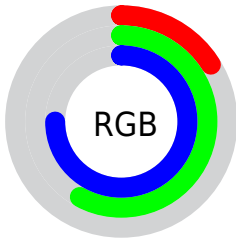
Format	Color
R _Y B	42, 104, 192
Decimal	2790336
CIE Lab	57.24, -13.84, -31.68
CIE LCh	57, 34.572, 246.394
Yxy	25.1654, 0.2097, 0.2524
Android (android.graphics.Color)	4280980416 (0xFF2A93C0)
YUV	120.7350, 35.1336, -69.0506
Hunter-Lab	50.1651, -13.3930, -28.2707

Details

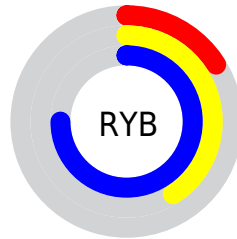
The Yxy color **25.1654, 0.2097, 0.2524** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **18.2197, 0.5310, 0.3782**, and the grayscale version is **18.9472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9923, 0.2298, 0.2682**, and **10.2007, 0.1970, 0.2291** is the 20% darker color. If you saturate the color by 10%, you get **23.1033, 0.2027, 0.2411**, and if you desaturate by 10%, it is **27.5132, 0.2187, 0.2638**.

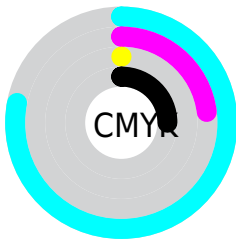
Distribution



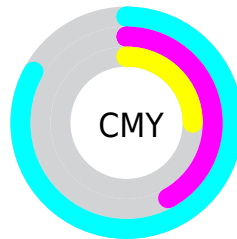
- Red (16%)
- Green (58%)
- Blue (75%)



- Red (16%)
- Yellow (41%)
- Blue (75%)



- Cyan (78%)
- Magenta (23%)
- Yellow (0%)
- Black (25%)



- Cyan (83%)
- Magenta (42%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1654, 0.2097, 0.2524 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 25.1654, 0.2097, 0.2524 by changing the saturation by 10% instead.

■ 25.1654, 0.2097,
0.2524

■ 25.1654, 0.2097,
0.2524

■ 278.6606, 0.2638,
0.2946

■ 16.2003, 0.1957,
0.2408

■ 51.9254, 0.2298,
0.2686

■ 9.6660, 0.1777,
0.2253

■ 70.4892, 0.2372,
0.2744

■ 5.1781, 0.1537,
0.2039

■ 93.0212, 0.2434,
0.2792

■ 2.3521, 0.1213,
0.1731

■ 119.9061, 0.2487,
0.2833

■ 0.8011, 0.0678,
0.1282

■ 151.5280, 0.2533,
0.2867

■ 0.0000, 0.0000,
0.0000

188.2715, 0.2572,

0.2897

230.5209, 0.2607,
0.2923

■ 25.1654, 0.2097,
0.2524

■ 25.1654, 0.2097,
0.2524

■ 23.1033, 0.2027,
0.2411

■ 27.5132, 0.2187,
0.2638

■ 21.2855, 0.1975,
0.2299

■ 30.1698, 0.2295,
0.2749

■ 20.9479, 0.1966,
0.2277

■ 33.1582, 0.2419,
0.2858

■ 36.4981, 0.2556,
0.2961

■ 40.2074, 0.2701,
0.3058

■ 44.3023, 0.2852,
0.3148

■ 48.7983, 0.3004,
0.3230

■ 53.7096, 0.3157,
0.3304

■ 59.0499, 0.3306,
0.3370

Harmonies

Analogous

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



25.1654, 0.2100, 0.2915



25.1654, 0.2097, 0.2524



25.1654, 0.2332, 0.2366

Triad

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



25.1654, 0.2097, 0.2524



25.1654, 0.3941, 0.3041



25.1654, 0.3389, 0.4361

Complementary

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



25.1654, 0.2097, 0.2524



18.2197, 0.5310, 0.3782

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.



25.1654, 0.3922, 0.4281



25.1654, 0.2097, 0.2524



25.1654, 0.4275, 0.3491

Square

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



25.1654, 0.2097, 0.2524



25.1654, 0.3373, 0.2664



25.1654, 0.4258, 0.3939



25.1654, 0.2813, 0.4064

Rectangle

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



25.1654, 0.2097, 0.2524



25.1654, 0.2611, 0.2382



25.1654, 0.4258, 0.3939



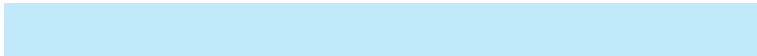
25.1654, 0.3579, 0.4374

Sweetspot

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



25.1663, 0.2097, 0.2524



76.2281, 0.2771, 0.3101



38.8897, 0.2840, 0.5128



15.7854, 0.2716, 0.3068



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



25.1663, 0.2097, 0.2524



39.3710, 0.1987, 0.2327



8.9518, 0.1761, 0.1232



10.9010, 0.2984, 0.3219



14.2354, 0.1970, 0.2291



0.7311, 0.2039, 0.2540

Inverse Universe

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



14.9806, 0.3875, 0.2085



23.9151, 0.4095, 0.2052



37.2305, 0.4394, 0.4662



10.1943, 0.3182, 0.3130



8.7193, 0.4136, 0.2052



0.3884, 0.3882, 0.1912

Previews

White Background



This preview shows how the Yxy color 25.1654, 0.2097, 0.2524 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 25.1654, 0.2097, 0.2524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

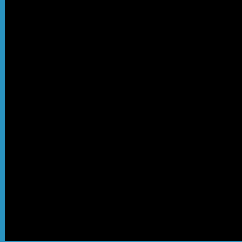
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1654, 0.2097, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 25.1654, 0.2097, 0.2524.

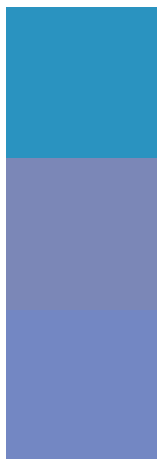


This preview shows how white text looks on a background with the Yxy color 25.1654, 0.2097, 0.2524.

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

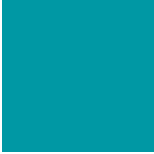
25.1654, 0.2097, 0.2524

Protanopia

24.9578, 0.2574, 0.2531

Deuteranopia

24.9129, 0.2423, 0.2359



Tritanopia

25.1368, 0.2184, 0.3062

Trichromacy



Original Color

25.1654, 0.2097, 0.2524

Protanomaly

24.3901, 0.2340, 0.2513

Deuteranomaly

24.4841, 0.2261, 0.2398

Tritanomaly

24.9702, 0.2140, 0.2851

Monochromacy



Original Color

25.1654, 0.2097, 0.2524

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.3472, 0.2574, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1654, 0.2097, 0.2524 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(42, 147, 192)` looks like.

```
.text, #text, p{  
    color:rgb(42, 147, 192)  
}
```

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(42, 147, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 147, 192) }
```

Border

The CSS property to change the border of an element to Yxy 25.1654, 0.2097, 0.2524 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(42, 147, 192) }
```

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

```
.border{ border-color:rgb(42, 147, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 147, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 147, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 147, 192);  
box-shadow:4px 4px 4px 4px rgb(42, 147,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1654, 0.2097, 0.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 147, 192) }
```

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

```
.background{ background-color: rgb(42, 147,  
192) }
```

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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