

Converting Colors

$Y_{xy}(24.1219, 0.2088, 0.2578)$

Have a look what the booklet for
Yxy(24.1219, 0.2088, 0.2578)
contains.

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Color

Yxy(24.0873, 0.2087, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	1F91BA
RGB	31, 145, 186
RGB Percent	12%, 57%, 73%
CMY	0.8773, 0.4314, 0.2706
CMYK	0.83, 0.22, 0.00, 0.27
HSL	196°, 71%, 43%
HSV	196°, 83%, 73%
XYZ	19.5604, 24.0873, 50.0772
YIQ	115.5880, -81.1050, -11.4170

Conversions

Conversions Part 2

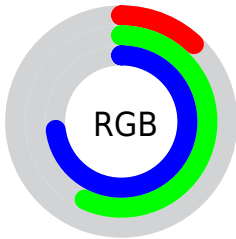
Format	Color
R _Y B	31, 97, 186
Decimal	2068922
CIE Lab	56.18, -15.90, -29.94
CIE LCh	56, 33.900, 242.029
Yxy	24.0873, 0.2087, 0.2570
Android (android.graphics.Color)	4280259002 (0xFF1F91BA)
YUV	115.5880, 34.7131, -74.1837
Hunter-Lab	49.0788, -14.7467, -26.1410

Details

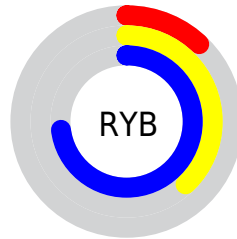
The Yxy color **24.0873, 0.2087, 0.2570** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.2167, 0.5556, 0.3702**, and the grayscale version is **17.2693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2007, 0.2293, 0.2731**, and **9.8779, 0.1989, 0.2360** is the 20% darker color. If you saturate the color by 10%, you get **22.4009, 0.2032, 0.2472**, and if you desaturate by 10%, it is **26.0077, 0.2162, 0.2669**.

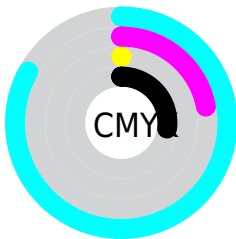
Distribution



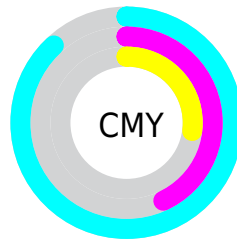
- Red (12%)
- Green (57%)
- Blue (73%)



- Red (12%)
- Yellow (38%)
- Blue (73%)



- Cyan (83%)
- Magenta (22%)
- Yellow (0%)
- Black (27%)



- Cyan (88%)
- Magenta (43%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0873, 0.2087, 0.2570 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 24.0873, 0.2087, 0.2570 by changing the saturation by 10% instead.

■ 24.0873, 0.2087,
0.2570

■ 24.0873, 0.2087,
0.2570

■ 273.2615, 0.2637,
0.2972

■ 15.3984, 0.1943,
0.2457

■ 50.1726, 0.2292,
0.2726

■ 9.0995, 0.1757,
0.2304

■ 68.3378, 0.2368,
0.2782

■ 4.8061, 0.1509,
0.2090

■ 90.4306, 0.2431,
0.2828

■ 2.1340, 0.1171,
0.1775

■ 116.8353, 0.2485,
0.2866

■ 0.6836, 0.0498,
0.1300

■ 147.9364, 0.2531,
0.2899

■ 0.0000, 0.0000,
0.0000

184.1182, 0.2571,

0.2927

225.7651, 0.2606,
0.2951

■ 24.0873, 0.2087,
0.2570

■ 24.0873, 0.2087,
0.2570

■ 22.4009, 0.2032,
0.2472

■ 26.0077, 0.2162,
0.2669

■ 21.3484, 0.2002,
0.2405

■ 28.1854, 0.2256,
0.2767

■ 30.6428, 0.2368,
0.2863

■ 33.3988, 0.2494,
0.2956

■ 36.4702, 0.2631,
0.3043

■ 39.8726, 0.2776,
0.3125

■ 43.6202, 0.2927,
0.3201

■ 47.7264, 0.3079,
0.3270

■ 52.2038, 0.3230,
0.3332

Harmonies

Analogous

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



24.0873, 0.2126, 0.2991



24.0873, 0.2087, 0.2570



24.0873, 0.2287, 0.2379

Triad

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



24.0873, 0.2087, 0.2570



24.0873, 0.3865, 0.2982



24.0873, 0.3471, 0.4366

Complementary

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



24.0873, 0.2087, 0.2570



15.2167, 0.5556, 0.3702

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.



24.0873, 0.3982, 0.4239



24.0873, 0.2087, 0.2570



24.0873, 0.4242, 0.3424

Square

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



24.0873, 0.2087, 0.2570



24.0873, 0.3283, 0.2622



24.0873, 0.4277, 0.3875



24.0873, 0.2894, 0.4125

Rectangle

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



24.0873, 0.2087, 0.2570



24.0873, 0.2545, 0.2375



24.0873, 0.4277, 0.3875



24.0873, 0.3657, 0.4360

Sweetspot

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



24.0881, 0.2087, 0.2570



70.8300, 0.2743, 0.3107



35.8593, 0.2880, 0.5368



15.1137, 0.2692, 0.3079



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.



24.0881, 0.2087, 0.2570



38.2735, 0.1997, 0.2390



8.2185, 0.1728, 0.1222



9.7968, 0.2985, 0.3228



14.4888, 0.2005, 0.2418



0.6063, 0.2075, 0.2669

Inverse Universe

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



13.4796, 0.3839, 0.2001



22.1366, 0.4034, 0.1996



31.5111, 0.4539, 0.4616



9.1210, 0.3177, 0.3124



8.2450, 0.4005, 0.1980



0.3003, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 24.0873, 0.2087, 0.2570 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 24.0873, 0.2087, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

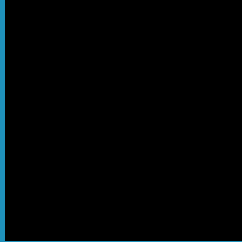
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0873, 0.2087, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 24.0873, 0.2087, 0.2570.

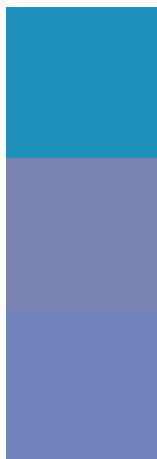


This preview shows how white text looks on a background with the Yxy color 24.0873, 0.2087, 0.2570.

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

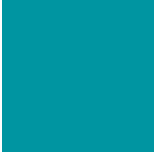
24.0873, 0.2087, 0.2570

Protanopia

23.7747, 0.2613, 0.2576

Deuteranopia

23.7541, 0.2448, 0.2386



Tritanopia

24.0681, 0.2183, 0.3058

Trichromacy



Original Color

24.0873, 0.2087, 0.2570

Protanomaly

23.3105, 0.2337, 0.2557

Deuteranomaly

23.4070, 0.2257, 0.2437

Tritanomaly

24.1532, 0.2144, 0.2879

Monochromacy



Original Color

24.0873, 0.2087, 0.2570

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

19.0331, 0.2554, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0873, 0.2087, 0.2570 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(31, 145, 186)` looks like.

```
.text, #text, p{  
  color:rgb(31, 145, 186)  
}
```

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(31, 145, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 145, 186) }
```

Border

The CSS property to change the border of an element to Yxy 24.0873, 0.2087, 0.2570 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(31, 145, 186) }
```

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

```
.border{ border-color:rgb(31, 145, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 145, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 145, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 145, 186);  
box-shadow:4px 4px 4px 4px rgb(31, 145,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0873, 0.2087, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 145, 186) }
```

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

```
.background{ background-color: rgb(31, 145,  
186) }
```

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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