

Converting Colors

$Yxy(25.6804, 0.2108, 0.2650)$

Have a look what the booklet for
Yxy(25.6804, 0.2108, 0.2650)
contains.

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Color

$\text{Yxy}(25.6919, 0.2107, 0.2648)$

Conversions

Conversions Part 1

Format	Color
Hex	1F96BB
RGB	31, 150, 187
RGB Percent	12%, 59%, 73%
CMY	0.8779, 0.4118, 0.2667
CMYK	0.83, 0.20, 0.00, 0.27
HSL	194°, 71%, 43%
HSV	194°, 83%, 73%
XYZ	20.4429, 25.6919, 50.8890
YIQ	118.6370, -82.8010, -13.7210

Conversions

Conversions Part 2

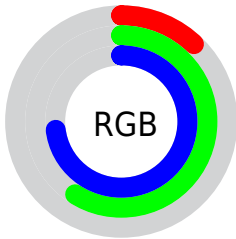
Format	Color
RYB	31, 99, 187
Decimal	2070203
CIELab	57.74, -18.29, -28.07
CIELCh	58, 33.497, 236.915
Yxy	25.6919, 0.2107, 0.2648
Android (android.graphics.Color)	4280260283 (0xFF1F96BB)
YUV	118.6370, 33.7030, -76.8576
Hunter-Lab	50.6872, -16.7108, -24.0450

Details

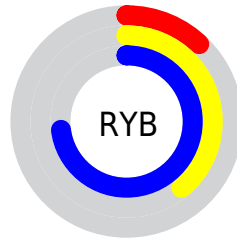
The Yxy color **25.6919, 0.2107, 0.2648** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.8134, 0.5621, 0.3649**, and the grayscale version is **18.2516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6601, 0.2308, 0.2787**, and **10.6449, 0.2012, 0.2444** is the 20% darker color. If you saturate the color by 10%, you get **24.0909, 0.2056, 0.2561**, and if you desaturate by 10%, it is **27.5168, 0.2178, 0.2736**.

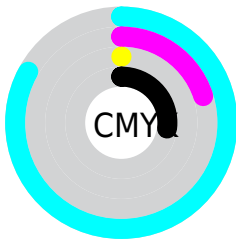
Distribution



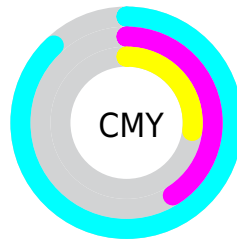
- Red (12%)
- Green (59%)
- Blue (73%)



- Red (12%)
- Yellow (39%)
- Blue (73%)



- Cyan (83%)
- Magenta (20%)
- Yellow (0%)
- Black (27%)



- Cyan (88%)
- Magenta (41%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6919, 0.2107, 0.2648 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 25.6919, 0.2107, 0.2648 by changing the saturation by 10% instead.

■ 25.6919, 0.2107,
0.2648

■ 25.6919, 0.2107,
0.2648

281.2663, 0.2642,
0.3007

■ 16.5933, 0.1968,
0.2546

■ 52.7775, 0.2306,
0.2788

■ 9.9449, 0.1789,
0.2409

■ 71.5333, 0.2379,
0.2837

■ 5.3625, 0.1551,
0.2216

■ 94.2769, 0.2441,
0.2878

■ 2.4615, 0.1226,
0.1930

■ 121.3927, 0.2493,
0.2912

■ 0.8572, 0.0647,
0.1505

■ 153.2652, 0.2538,
0.2942

■ 0.0000, 0.0000,
0.0000

190.2787, 0.2577,

0.2966

232.8176, 0.2611,
0.2988

■ 25.6919, 0.2107,
0.2648

■ 25.6919, 0.2107,
0.2648

■ 24.0909, 0.2056,
0.2561

■ 27.5168, 0.2178,
0.2736

■ 23.1143, 0.2029,
0.2503

■ 29.5888, 0.2267,
0.2823

■ 31.9306, 0.2375,
0.2908

■ 34.5611, 0.2497,
0.2990

■ 37.4971, 0.2632,
0.3068

■ 40.7543, 0.2775,
0.3141

■ 44.3468, 0.2924,
0.3209

■ 48.2881, 0.3076,
0.3271

■ 52.5907, 0.3228,
0.3326

Harmonies

Analogous

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



25.6919, 0.2186, 0.3093



25.6919, 0.2107, 0.2648



25.6919, 0.2263, 0.2422

Triad

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



25.6919, 0.2107, 0.2648



25.6919, 0.3753, 0.2925



25.6919, 0.3556, 0.4332

Complementary

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



25.6919, 0.2107, 0.2648



14.8134, 0.5621, 0.3649

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.



25.6919, 0.4024, 0.4162



25.6919, 0.2107, 0.2648



25.6919, 0.4164, 0.3346

Square

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



25.6919, 0.2107, 0.2648



25.6919, 0.3178, 0.2594



25.6919, 0.4259, 0.3789



25.6919, 0.2997, 0.4160

Rectangle

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



25.6919, 0.2107, 0.2648



25.6919, 0.2491, 0.2394



25.6919, 0.4259, 0.3789



25.6919, 0.3729, 0.4308

Sweetspot

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



25.6928, 0.2107, 0.2648



71.7510, 0.2745, 0.3127



36.2411, 0.2892, 0.5411



15.3419, 0.2694, 0.3101



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.



25.6928, 0.2107, 0.2648



41.0192, 0.2025, 0.2490



8.6067, 0.1736, 0.1256



10.4152, 0.2985, 0.3234



16.0434, 0.2032, 0.2514



0.7231, 0.2089, 0.2721

Inverse Universe

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



13.7527, 0.3765, 0.1955



22.4137, 0.3932, 0.1940



31.0456, 0.4573, 0.4589



9.6565, 0.3173, 0.3117



8.6493, 0.3908, 0.1927



0.3484, 0.3708, 0.1817

Previews

White Background



This preview shows how the Yxy color 25.6919, 0.2107, 0.2648 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 25.6919, 0.2107, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

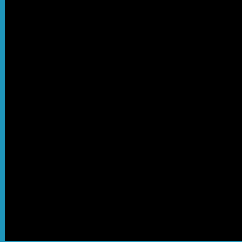
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6919, 0.2107, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 25.6919, 0.2107, 0.2648.

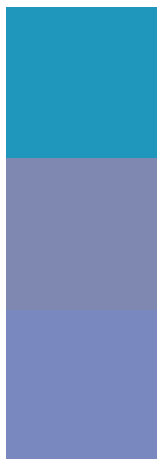


This preview shows how white text looks on a background with the Yxy color 25.6919, 0.2107, 0.2648.

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

25.6919, 0.2107, 0.2648

Protanopia

25.2947, 0.2658, 0.2637

Deuteranopia

25.3910, 0.2508, 0.2450



Tritanopia

25.4991, 0.2184, 0.3063

Trichromacy



Original Color

25.6919, 0.2107, 0.2648

Protanomaly

24.6613, 0.2364, 0.2617

Deuteranomaly

24.7986, 0.2290, 0.2498

Tritanomaly

25.5448, 0.2151, 0.2905

Monochromacy



Original Color

25.6919, 0.2107, 0.2648

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.0051, 0.2556, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6919, 0.2107, 0.2648 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, 150, 187)` looks like.

```
.text, #text, p{  
    color:rgb(31, 150, 187)  
}
```

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, 150, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 150, 187) }
```

Border

The CSS property to change the border of an element to Yxy 25.6919, 0.2107, 0.2648 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, 150, 187) }
```

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

```
.border{ border-color:rgb(31, 150, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 150, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 150, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 150, 187);  
box-shadow:4px 4px 4px 4px rgb(31, 150,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6919, 0.2107, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 150, 187) }
```

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

```
.background{ background-color: rgb(31, 150,  
187) }
```

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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