

Converting Colors

$Y_{xy}(16.5025, 0.0673, 0.1808)$

Have a look what the booklet for
Yxy(16.5025, 0.0673, 0.1808)
contains.

Yxy(24.9563, 0.1927, 0.2138)	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(24.9563, 0.1927, 0.2138)

Conversions

Conversions Part 1

Format	Color
Hex	0090D9
RGB	0, 144, 217
RGB Percent	0%, 56%, 85%
CMY	1.0000, 0.4352, 0.1490
CMYK	1.00, 0.34, 0.00, 0.15
HSL	200°, 100%, 43%
HSV	200°, 100%, 85%
XYZ	22.4934, 24.9563, 69.2777
YIQ	109.2660, -109.2570, -7.8250

Conversions

Conversions Part 2

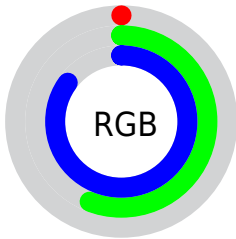
Format	Color
RYB	0, 87, 217
Decimal	37081
CIELab	57.03, -5.52, -46.10
CIELCh	57, 46.429, 263.167
Yxy	24.9563, 0.1927, 0.2138
Android (android.graphics.Color)	4278227161 (0xFF0090D9)
YUV	109.2660, 53.1129, -95.8263
Hunter-Lab	49.9563, -7.0519, -47.2519

Details

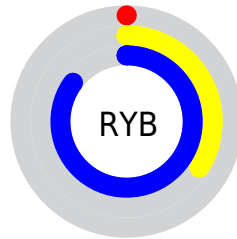
The Yxy color **24.9563, 0.1927, 0.2138** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **19.5157, 0.5888, 0.3707**, and the grayscale version is **15.2440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4329, 0.2229, 0.2571**, and **10.6140, 0.1852, 0.1868** is the 20% darker color. If you saturate the color by 10%, you get **24.9598, 0.1927, 0.2138**, and if you desaturate by 10%, it is **27.4103, 0.1980, 0.2264**.

Distribution



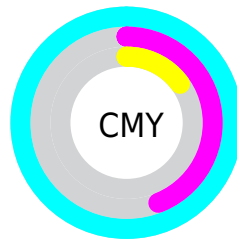
- Red (0%)
- Green (56%)
- Blue (85%)



- Red (0%)
- Yellow (34%)
- Blue (85%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9563, 0.1927, 0.2138 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 24.9563, 0.1927, 0.2138 by changing the saturation by 10% instead.


 24.9563, 0.1927,
0.2138


 24.9563, 0.1927,
0.2138


277.6202, 0.2546,
0.2743


 16.0445, 0.1774,
0.1985


 51.5863, 0.2153,
0.2361


 9.5556, 0.1580,
0.1789


 70.0733, 0.2238,
0.2444


 5.1053, 0.1334,
0.1536

 92.5209, 0.2309,
0.2514

 2.3092, 0.1018,
0.1206

 119.3133, 0.2371,
0.2574

 0.7786, 0.0606,
0.0780

 150.8351, 0.2424,
0.2625

 0.0000, 0.0000,
0.0000

187.4706, 0.2470,

0.2670

229.6042, 0.2510,
0.2709

■ 24.9563, 0.1927,
0.2138

■ 24.9563, 0.1927,
0.2138

■ 24.9598, 0.1927,
0.2138

■ 27.4103, 0.1980,
0.2264

■ 30.1943, 0.2050,
0.2393

■ 33.3762, 0.2141,
0.2523

■ 36.9932, 0.2252,
0.2651

■ 41.0769, 0.2378,
0.2776

■ 45.6549, 0.2517,
0.2895

■ 50.7527, 0.2665,
0.3006

■ 56.3934, 0.2818,
0.3110

■ 62.5986, 0.2973,
0.3204

Harmonies

Analogous

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



24.9563, 0.1762, 0.2448



24.9563, 0.1927, 0.2138



24.9563, 0.2375, 0.2110

Triad

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



24.9563, 0.1927, 0.2138



24.9563, 0.4530, 0.3255



24.9563, 0.3009, 0.4615

Complementary

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



24.9563, 0.1927, 0.2138



19.5157, 0.5888, 0.3707

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.



24.9563, 0.3767, 0.4742



24.9563, 0.1927, 0.2138



24.9563, 0.4701, 0.3836

Square

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



24.9563, 0.1927, 0.2138



24.9563, 0.3902, 0.2724



24.9563, 0.4395, 0.4388



24.9563, 0.2324, 0.3933

Rectangle

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



24.9563, 0.1927, 0.2138



24.9563, 0.2823, 0.2226



24.9563, 0.4395, 0.4388



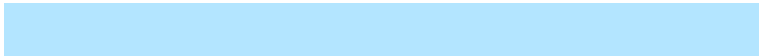
24.9563, 0.3264, 0.4725

Sweetspot

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



24.9598, 0.1927, 0.2138



72.9316, 0.2661, 0.3003



50.0987, 0.2870, 0.5531



14.9232, 0.2597, 0.2957



0.0000, 0.0000, 0.0000



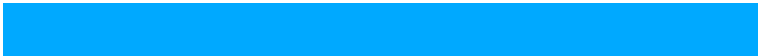
21.4041, 0.3127, 0.3290

Same Dimension

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



24.9598, 0.1927, 0.2138



35.6811, 0.1924, 0.2127



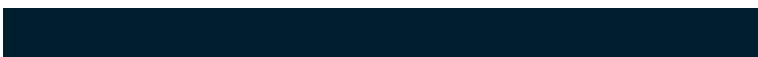
6.2817, 0.1537, 0.0734



14.0533, 0.2982, 0.3209



15.3113, 0.1932, 0.2156



1.1485, 0.1990, 0.2363

Inverse Universe

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



16.7659, 0.4299, 0.2142



24.1332, 0.4312, 0.2149



47.7325, 0.4525, 0.4789



13.1965, 0.3189, 0.3136



10.1695, 0.4279, 0.2131



0.6746, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 24.9563, 0.1927, 0.2138 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 24.9563, 0.1927, 0.2138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

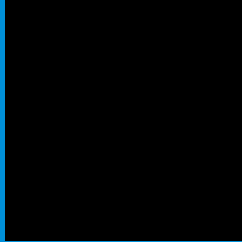
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9563, 0.1927, 0.2138

Background



This preview shows how black text looks on a background with the Yxy color 24.9563, 0.1927, 0.2138.

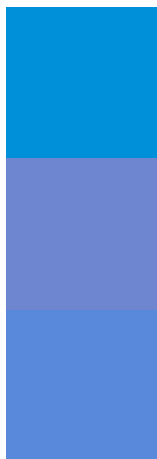


This preview shows how white text looks on a background with the Yxy color 24.9563, 0.1927, 0.2138.

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

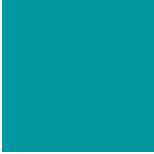
24.9563, 0.1927, 0.2138

Protanopia

24.9193, 0.2303, 0.2179

Deuteranopia

25.0805, 0.2123, 0.2067



Tritanopia

24.7419, 0.2189, 0.3079

Trichromacy



Original Color

24.9563, 0.1927, 0.2138



Protanomaly

24.1822, 0.2075, 0.2147



Deuteranomaly

24.6589, 0.2003, 0.2087



Tritanomaly

24.5572, 0.2078, 0.2681

Monochromacy



Original Color

24.9563, 0.1927, 0.2138



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.3224, 0.2355, 0.2764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9563, 0.1927, 0.2138 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(0, 144, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 217)  
}
```

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(0, 144, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 217) }
```

Border

The CSS property to change the border of an element to Yxy 24.9563, 0.1927, 0.2138 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(0, 144, 217) }
```

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

```
.border{ border-color:rgb(0, 144, 217) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9563, 0.1927, 0.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 217) }
```

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

```
.background{ background-color: rgb(0, 144,  
217) }
```

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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