

Converting Colors

$Y_{xy}(19.1083, 0.1187, 0.1835)$

Have a look what the booklet for
Yxy(19.1083, 0.1187, 0.1835)
contains.

Yxy(24.6737, 0.1900, 0.2039)	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(24.6737, 0.1900, 0.2039)

Conversions

Conversions Part 1

Format	Color
Hex	008EDF
RGB	0, 142, 223
RGB Percent	0%, 56%, 87%
CMY	0.9988, 0.4431, 0.1256
CMYK	1.00, 0.36, 0.00, 0.13
HSL	202°, 100%, 44%
HSV	202°, 100%, 87%
XYZ	22.9917, 24.6737, 73.3435
YIQ	108.7760, -110.6330, -4.9130

Conversions

Conversions Part 2

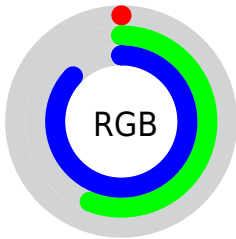
Format	Color
RYB	0, 87, 223
Decimal	36575
CIELab	56.76, -2.06, -49.88
CIELCh	57, 49.921, 267.631
Yxy	24.6737, 0.1900, 0.2039
Android (android.graphics.Color)	4278226655 (0xFF008EDF)
YUV	108.7760, 56.3124, -95.3966
Hunter-Lab	49.6726, -4.3059, -52.7730

Details

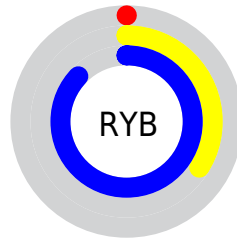
The Yxy color **24.6737, 0.1900, 0.2039** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **21.6112, 0.5815, 0.3764**, and the grayscale version is **15.1143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1933, 0.2227, 0.2532**, and **10.4443, 0.1823, 0.1763** is the 20% darker color. If you saturate the color by 10%, you get **24.6391, 0.1899, 0.2037**, and if you desaturate by 10%, it is **27.3514, 0.1956, 0.2176**.

Distribution



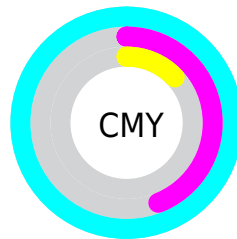
- Red (0%)
- Green (56%)
- Blue (87%)



- Red (0%)
- Yellow (34%)
- Blue (87%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (44%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6737, 0.1900, 0.2039 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 24.6737, 0.1900, 0.2039 by changing the saturation by 10% instead.

■ 24.6737, 0.1900,
0.2039

■ 24.6737, 0.1900,
0.2039

276.2090, 0.2532,
0.2688

■ 15.8341, 0.1745,
0.1878

■ 51.1274, 0.2130,
0.2276

■ 9.4068, 0.1550,
0.1676

■ 69.5103, 0.2216,
0.2365

■ 5.0075, 0.1303,
0.1418

■ 91.8430, 0.2290,
0.2440

■ 2.2517, 0.0991,
0.1089

■ 118.5101, 0.2352,
0.2504

■ 0.7479, 0.0598,
0.0677

■ 149.8958, 0.2406,
0.2559

■ 0.0000, 0.0000,
0.0000

186.3846, 0.2454,

0.2608

228.3609, 0.2495,
0.2650

■ 24.6737, 0.1900,
0.2039

■ 24.6737, 0.1900,
0.2039

■ 24.6391, 0.1899,
0.2037

■ 27.3514, 0.1956,
0.2176

■ 30.4100, 0.2030,
0.2316

■ 33.9179, 0.2125,
0.2457

■ 37.9152, 0.2240,
0.2597

■ 42.4365, 0.2370,
0.2733

■ 47.5121, 0.2513,
0.2862

■ 53.1698, 0.2664,
0.2984

■ 59.4349, 0.2819,
0.3096

■ 66.3310, 0.2975,
0.3199

Harmonies

Analogous

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



24.6737, 0.1682, 0.2312



24.6737, 0.1900, 0.2039



24.6737, 0.2416, 0.2053

Triad

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



24.6737, 0.1900, 0.2039



24.6737, 0.4703, 0.3331



24.6737, 0.2871, 0.4658

Complementary

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



24.6737, 0.1900, 0.2039



21.6112, 0.5815, 0.3764

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.



24.6737, 0.3682, 0.4877



24.6737, 0.1900, 0.2039



24.6737, 0.4795, 0.3947

Square

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



24.6737, 0.1900, 0.2039



24.6737, 0.4084, 0.2760



24.6737, 0.4391, 0.4530



24.6737, 0.2173, 0.3844

Rectangle

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



24.6737, 0.1900, 0.2039



24.6737, 0.2918, 0.2199



24.6737, 0.4391, 0.4530



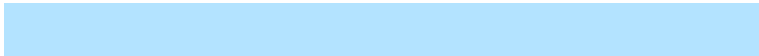
24.6737, 0.3140, 0.4808

Sweetspot

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



24.6745, 0.1900, 0.2039



71.7812, 0.2658, 0.2980



53.3167, 0.2858, 0.5487



14.6484, 0.2594, 0.2929



0.0000, 0.0000, 0.0000



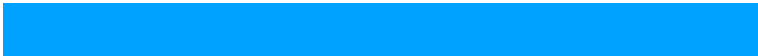
21.4041, 0.3127, 0.3290

Same Dimension

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



24.6745, 0.1900, 0.2039



33.1553, 0.1897, 0.2027



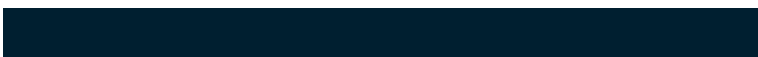
6.4557, 0.1532, 0.0712



14.6903, 0.2981, 0.3203



14.7133, 0.1905, 0.2058



1.1883, 0.1964, 0.2269

Inverse Universe

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



17.6435, 0.4409, 0.2203



23.8782, 0.4422, 0.2210



52.3270, 0.4488, 0.4818



13.8466, 0.3193, 0.3142



10.3934, 0.4388, 0.2191



0.7374, 0.4159, 0.2065

Previews

White Background



This preview shows how the Yxy color 24.6737, 0.1900, 0.2039 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 24.6737, 0.1900, 0.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

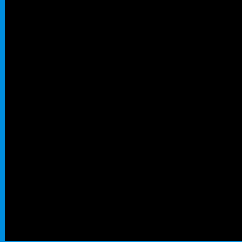
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6737, 0.1900, 0.2039

Background



This preview shows how black text looks on a background with the Yxy color 24.6737, 0.1900, 0.2039.



This preview shows how white text looks on a background with the Yxy color 24.6737, 0.1900, 0.2039.

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

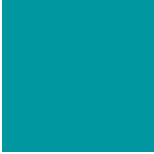
24.6737, 0.1900, 0.2039

Protanopia

24.6244, 0.2222, 0.2076

Deuteranopia

24.5679, 0.2045, 0.1984



Tritanopia

24.7064, 0.2194, 0.3097

Trichromacy



Original Color

24.6737, 0.1900, 0.2039

Protanomaly

23.8285, 0.2022, 0.2033

Deuteranomaly

24.2117, 0.1952, 0.1985

Tritanomaly

24.6405, 0.2070, 0.2650

Monochromacy



Original Color

24.6737, 0.1900, 0.2039

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.1420, 0.2337, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6737, 0.1900, 0.2039 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, 142, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 223)  
}
```

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, 142, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 223) }
```

Border

The CSS property to change the border of an element to Yxy 24.6737, 0.1900, 0.2039 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, 142, 223) }
```

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

```
.border{ border-color:rgb(0, 142, 223) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6737, 0.1900, 0.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 223) }
```

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

```
.background{ background-color: rgb(0, 142,  
223) }
```

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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