

Converting Colors

$Yxy(21.3665, 0.1209, 0.2304)$

Have a look what the booklet for
Yxy(21.3665, 0.1209, 0.2304)
contains.

Yxy(27.0943, 0.2019, 0.2467)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0943, 0.2019, 0.2467)

Conversions

Conversions Part 1

Format	Color
Hex	0099CB
RGB	0, 153, 203
RGB Percent	0%, 60%, 80%
CMY	0.9983, 0.4000, 0.2039
CMYK	1.00, 0.25, 0.00, 0.20
HSL	195°, 100%, 40%
HSV	195°, 100%, 80%
XYZ	22.1741, 27.0943, 60.5586
YIQ	112.9530, -107.2380, -16.8860

Conversions

Conversions Part 2

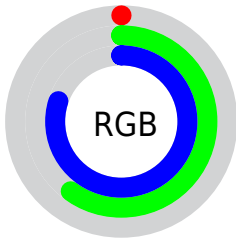
Format	Color
R _{YB}	0, 87, 203
Decimal	39371
CIE _{Lab}	59.06, -15.74, -35.06
CIE _{LCh}	59, 38.430, 245.824
Y _{xy}	27.0943, 0.2019, 0.2467
Android (android.graphics.Color)	4278229451 (0xFF0099CB)
YUV	112.9530, 44.3932, -99.0598
Hunter-Lab	52.0522, -15.0509, -32.5427

Details

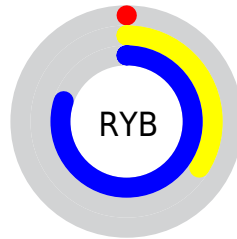
The Yxy color **27.0943, 0.2019, 0.2467** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.0164, 0.6089, 0.3545**, and the grayscale version is **16.4287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5550, 0.2248, 0.2689**, and **11.6727, 0.1957, 0.2245** is the 20% darker color. If you saturate the color by 10%, you get **27.0568, 0.2018, 0.2465**, and if you desaturate by 10%, it is **28.9240, 0.2061, 0.2558**.

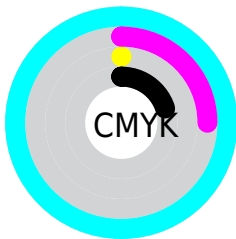
Distribution



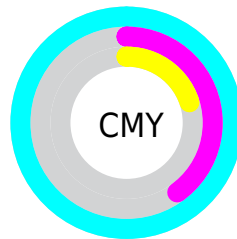
- Red (0%)
- Green (60%)
- Blue (80%)



- Red (0%)
- Yellow (34%)
- Blue (80%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0943, 0.2019, 0.2467 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 27.0943, 0.2019, 0.2467 by changing the saturation by 10% instead.

■ 27.0943, 0.2019,
0.2467

■ 27.0943, 0.2019,
0.2467

■ 288.1134, 0.2590,
0.2914

■ 17.6441, 0.1876,
0.2347

■ 55.0352, 0.2228,
0.2637

■ 10.6947, 0.1693,
0.2189

■ 74.2945, 0.2306,
0.2698

■ 5.8620, 0.1456,
0.1974

■ 97.5925, 0.2372,
0.2750

■ 2.7613, 0.1143,
0.1673

■ 125.3133, 0.2429,
0.2793

■ 1.0084, 0.0703,
0.1244

■ 157.8414, 0.2477,
0.2830

■ 0.0000, 0.0000,
0.0000

195.5612, 0.2520,

0.2862

238.8571, 0.2557,
0.2890

■ 27.0943, 0.2019,
0.2467

■ 27.0943, 0.2019,
0.2467

■ 27.0568, 0.2018,
0.2465

■ 28.9240, 0.2061,
0.2558

■ 30.9843, 0.2120,
0.2649

■ 33.3302, 0.2199,
0.2741

■ 35.9916, 0.2296,
0.2832

■ 38.9937, 0.2411,
0.2921

■ 42.3590, 0.2539,
0.3006

■ 46.1077, 0.2679,
0.3086

■ 50.2581, 0.2826,
0.3160

■ 54.8274, 0.2977,
0.3229

Harmonies

Analogous

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



27.0943, 0.2026, 0.2888



27.0943, 0.2019, 0.2467



27.0943, 0.2264, 0.2298

Triad

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



27.0943, 0.2019, 0.2467



27.0943, 0.4000, 0.3010



27.0943, 0.3415, 0.4460

Complementary

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



27.0943, 0.2019, 0.2467



15.0164, 0.6089, 0.3545

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.



27.0943, 0.3989, 0.4353



27.0943, 0.2019, 0.2467



27.0943, 0.4369, 0.3489

Square

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



27.0943, 0.2019, 0.2467



27.0943, 0.3379, 0.2611



27.0943, 0.4353, 0.3971



27.0943, 0.2794, 0.4146

Rectangle

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



27.0943, 0.2019, 0.2467



27.0943, 0.2559, 0.2314



27.0943, 0.4353, 0.3971



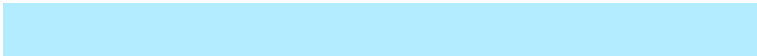
27.0943, 0.3620, 0.4467

Sweetspot

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



27.0952, 0.2019, 0.2467



76.8016, 0.2670, 0.3081



42.9243, 0.2930, 0.5746



15.8512, 0.2609, 0.3047



0.0000, 0.0000, 0.0000



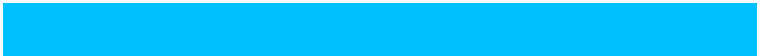
21.4041, 0.3127, 0.3290

Same Dimension

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



27.0952, 0.2019, 0.2467



44.9419, 0.2015, 0.2453



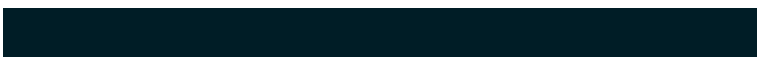
6.9955, 0.1589, 0.0916



12.2396, 0.2983, 0.3231



17.3691, 0.2022, 0.2478



1.0109, 0.2071, 0.2655

Inverse Universe

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



15.0054, 0.3955, 0.1953



25.0681, 0.3969, 0.1960



34.1863, 0.4761, 0.4601



11.3546, 0.3175, 0.3117



9.5564, 0.3945, 0.1947



0.5046, 0.3771, 0.1851

Previews

White Background



This preview shows how the Yxy color 27.0943, 0.2019, 0.2467 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 27.0943, 0.2019, 0.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

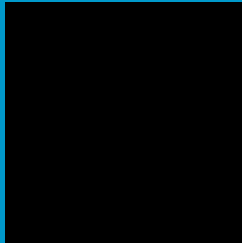
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0943, 0.2019, 0.2467

Background



This preview shows how black text looks on a background with the Yxy color 27.0943, 0.2019, 0.2467.

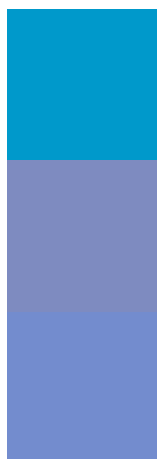


This preview shows how white text looks on a background with the Yxy color 27.0943, 0.2019, 0.2467.

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

27.0943, 0.2019, 0.2467

Protanopia

26.7066, 0.2541, 0.2481

Deuteranopia

26.8572, 0.2367, 0.2304



Tritanopia

26.9785, 0.2186, 0.3068

Trichromacy



Original Color

27.0943, 0.2019, 0.2467

Protanomaly

25.6375, 0.2217, 0.2446

Deuteranomaly

26.0750, 0.2143, 0.2339

Tritanomaly

27.1131, 0.2124, 0.2847

Monochromacy



Original Color

27.0943, 0.2019, 0.2467

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.8914, 0.2416, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0943, 0.2019, 0.2467 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, 153, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 203)  
}
```

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, 153, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 203) }
```

Border

The CSS property to change the border of an element to Yxy 27.0943, 0.2019, 0.2467 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, 153, 203) }
```

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

```
.border{ border-color:rgb(0, 153, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0943, 0.2019, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 203) }
```

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

```
.background{ background-color: rgb(0, 153,  
203) }
```

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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