

Converting Colors

$Yxy(10.2394, 0.1899, 0.2035)$

Have a look what the booklet for
Yxy(10.2394, 0.1899, 0.2035)
contains.

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Color

Yxy(10.2074, 0.1900, 0.2040)

Conversions

Conversions Part 1

Format	Color
Hex	005E96
RGB	0, 94, 150
RGB Percent	0%, 37%, 59%
CMY	1.0000, 0.6314, 0.4118
CMYK	1.00, 0.37, 0.00, 0.41
HSL	202°, 100%, 29%
HSV	202°, 100%, 59%
XYZ	9.5069, 10.2074, 30.3220
YIQ	72.2780, -74.0000, -2.5120

Conversions

Conversions Part 2

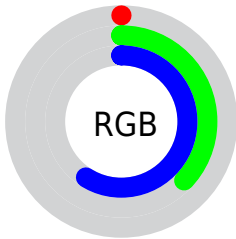
Format	Color
R _Y B	0, 58, 150
Decimal	24214
CIE Lab	38.21, -1.58, -37.14
CIE LCh	38, 37.170, 267.571
Yxy	10.2074, 0.1900, 0.2040
Android (android.graphics.Color)	4278214294 (0xFF005E96)
YUV	72.2780, 38.3169, -63.3878
Hunter-Lab	31.9490, -2.7955, -33.9063

Details

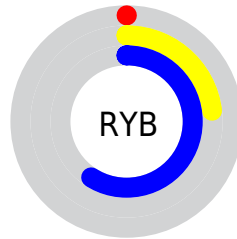
The Yxy color **10.2074, 0.1900, 0.2040** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **9.3115, 0.5743, 0.3822**, and the grayscale version is **6.4734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1933, 0.2188, 0.2333**, and **3.0975, 0.1794, 0.1659** is the 20% darker color. If you saturate the color by 10%, you get **10.2080, 0.1900, 0.2040**, and if you desaturate by 10%, it is **11.3419, 0.1963, 0.2178**.

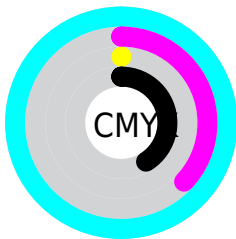
Distribution



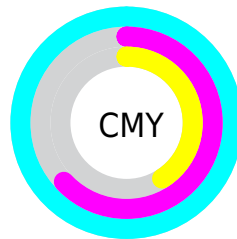
- Red (0%)
- Green (37%)
- Blue (59%)



- Red (0%)
- Yellow (23%)
- Blue (59%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (63%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2074, 0.1900, 0.2040 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 10.2074, 0.1900, 0.2040 by changing the saturation by 10% instead.

10.2074, 0.1900,
0.2040

10.2074, 0.1900,
0.2040

192.1460, 0.2623,
0.2781

5.5367, 0.1683,
0.1815

26.1849, 0.2191,
0.2339

2.5655, 0.1388,
0.1508

38.2604, 0.2291,
0.2442

0.9093, 0.0981,
0.1081

53.5730, 0.2373,
0.2526

0.0000, 0.0000,
0.0000

72.5071, 0.2441,
0.2595

95.4471, 0.2497,
0.2653

122.7773, 0.2545,

0.2702

154.8821, 0.2587,
0.2744

■ 10.2074, 0.1900,
0.2040

■ 10.2074, 0.1900,
0.2040

■ 10.2080, 0.1900,
0.2040

■ 11.3419, 0.1963,
0.2178

■ 12.6224, 0.2041,
0.2319

■ 14.0855, 0.2139,
0.2460

■ 15.7460, 0.2255,
0.2599

■ 17.6169, 0.2385,
0.2734

■ 19.7097, 0.2526,
0.2863

■ 22.0348, 0.2674,
0.2984

■ 24.6018, 0.2825,
0.3096

■ 27.4199, 0.2977,
0.3198

Harmonies

Analogous

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



10.2074, 0.1683, 0.2314



10.2074, 0.1900, 0.2040



10.2074, 0.2415, 0.2053

Triad

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



10.2074, 0.1900, 0.2040



10.2074, 0.4701, 0.3330



10.2074, 0.2873, 0.4658

Complementary

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



10.2074, 0.1900, 0.2040



9.3115, 0.5743, 0.3822

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.



10.2074, 0.3684, 0.4875



10.2074, 0.1900, 0.2040



10.2074, 0.4794, 0.3946

Square

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



10.2074, 0.1900, 0.2040



10.2074, 0.4082, 0.2759



10.2074, 0.4392, 0.4529



10.2074, 0.2175, 0.3846

Rectangle

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



10.2074, 0.1900, 0.2040



10.2074, 0.2916, 0.2199



10.2074, 0.4392, 0.4529



10.2074, 0.3142, 0.4808

Sweetspot

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



10.2080, 0.1900, 0.2040



38.6337, 0.2665, 0.2977



22.0877, 0.2832, 0.5394



8.2076, 0.2608, 0.2932



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



10.2080, 0.1900, 0.2040



17.6717, 0.1893, 0.2014



2.7022, 0.1533, 0.0720



6.2020, 0.2989, 0.3205



8.5294, 0.1903, 0.2050



0.1611, 0.2075, 0.2668

Inverse Universe

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



7.2920, 0.4408, 0.2202



12.8346, 0.4437, 0.2218



22.4484, 0.4445, 0.4853



5.8728, 0.3191, 0.3152



6.0544, 0.4397, 0.2196



0.0798, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 10.2074, 0.1900, 0.2040 looks on a white 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

Black Background



This preview shows how the Yxy color 10.2074, 0.1900, 0.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

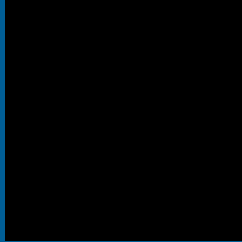
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2074, 0.1900, 0.2040

Background



This preview shows how black text looks on a background with the Yxy color 10.2074, 0.1900, 0.2040.



This preview shows how white text looks on a background with the Yxy color 10.2074, 0.1900, 0.2040.

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

10.2074, 0.1900, 0.2040

Protanopia

10.2527, 0.2222, 0.2074

Deuteranopia

10.3449, 0.2043, 0.2004



Tritanopia

10.1759, 0.2193, 0.3095

Trichromacy



Original Color

10.2074, 0.1900, 0.2040

Protanomaly

9.9325, 0.2030, 0.2033

Deuteranomaly

10.1800, 0.1961, 0.2001

Tritanomaly

10.1654, 0.2069, 0.2648

Monochromacy



Original Color

10.2074, 0.1900, 0.2040

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.2383, 0.2362, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2074, 0.1900, 0.2040 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, 94, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 150)  
}
```

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, 94, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 150) }
```

Border

The CSS property to change the border of an element to Yxy 10.2074, 0.1900, 0.2040 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, 94, 150) }
```

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

```
.border{ border-color:rgb(0, 94, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 94, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 150)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2074, 0.1900, 0.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 150) }
```

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

```
.background{ background-color: rgb(0, 94,  
150) }
```

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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