

Converting Colors

$Y_{xy}(10.5951, 0.1913, 0.1008)$

Have a look what the booklet for
Yxy(10.5951, 0.1913, 0.1008)
contains.

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Color

Yxy(10.5442, 0.1910, 0.1004)

Conversions

Conversions Part 1

Format	Color
Hex	6034E4
RGB	96, 52, 228
RGB Percent	38%, 20%, 89%
CMY	0.6236, 0.7961, 0.1057
CMYK	0.58, 0.77, 0.00, 0.11
HSL	255°, 77%, 55%
HSV	255°, 77%, 89%
XYZ	20.0592, 10.5442, 74.4185
YIQ	85.2200, -30.2720, 64.0640

Conversions

Conversions Part 2

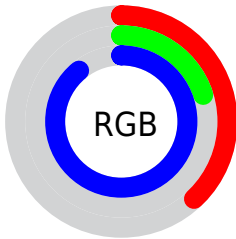
Format	Color
R_{YB}	96, 52, 228
Decimal	6304996
CIE _{Lab}	38.80, 61.47, -81.69
CIE _{LCh}	39, 102.233, 306.963
Yxy	10.5442, 0.1910, 0.1004
Android (android.graphics.Color)	4284495076 (0xFF6034E4)
YUV	85.2200, 70.3905, 9.4541
Hunter-Lab	32.4718, 53.4411, -113.1498

Details

The Yxy color **10.5442, 0.1910, 0.1004** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **65.9651, 0.3775, 0.5171**, and the grayscale version is **8.9850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.4916, 0.2343, 0.1539**, and **2.9403, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.1486, 0.1769, 0.0816**, and if you desaturate by 10%, it is **14.1243, 0.2076, 0.1257**.

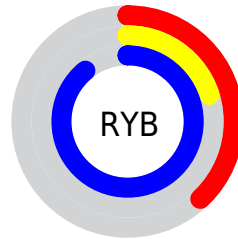
Distribution



Red (38%)

Green (20%)

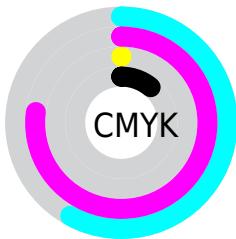
Blue (89%)



Red (38%)

Yellow (20%)

Blue (89%)

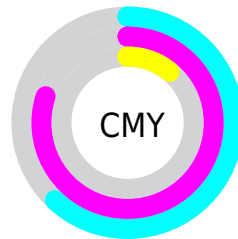


Cyan (58%)

Magenta (77%)

Yellow (0%)

Black (11%)



Cyan (62%)


Magenta (80%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5442, 0.1910, 0.1004 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 10.5442, 0.1910, 0.1004 by changing the saturation by 10% instead.


 10.5442, 0.1910,
0.1004


 10.5442, 0.1910,
0.1004


194.5132, 0.2622,
0.2081


 5.7612, 0.1720,
0.0790


 26.8142, 0.2183,
0.1361


 2.7004, 0.1480,
0.0556


 39.0700, 0.2282,
0.1506

 0.9774, 0.1177,
0.0317

 54.5855, 0.2365,
0.1634

 0.0000, 0.0818,
0.0000

 73.7452, 0.2433,
0.1746

 0.0000, 0.0315,
0.0000

 96.9334, 0.2492,
0.1845

 0.0000, 0.0000,
0.0000

 124.5346, 0.2541,

0.1933

156.9330, 0.2584,
0.2011

■ 10.5442, 0.1910,
0.1004

■ 10.5442, 0.1910,
0.1004

■ 8.1486, 0.1769,
0.0816

■ 14.1243, 0.2076,
0.1257

■ 6.7592, 0.1660,
0.0699

■ 19.0251, 0.2256,
0.1556

■ 6.4738, 0.1635,
0.0674

■ 25.3646, 0.2437,
0.1881

■ 33.2471, 0.2612,
0.2212

■ 42.7672, 0.2774,
0.2533

■ 54.0117, 0.2919,
0.2834

■ 67.0612, 0.3046,
0.3109

■ 81.9911, 0.3156,
0.3356

■ 97.4385, 0.3253,
0.3554

Harmonies

Analogous

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



10.5442, 0.0937, 0.0846



10.5442, 0.1910, 0.1004



10.5442, 0.3856, 0.1484

Triad

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



10.5442, 0.1910, 0.1004



10.5442, 0.6031, 0.3969



10.5442, 0.0641, 0.3633

Complementary

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



10.5442, 0.1910, 0.1004



65.9651, 0.3775, 0.5171

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.



10.5442, 0.1463, 0.7063



10.5442, 0.1910, 0.1004



10.5442, 0.4471, 0.5529

Square

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



10.5442, 0.1910, 0.1004



10.5442, 0.6910, 0.2983



10.5442, 0.2779, 0.7221



10.5442, 0.0432, 0.1623

Rectangle

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



10.5442, 0.1910, 0.1004



10.5442, 0.5497, 0.1969



10.5442, 0.2779, 0.7221



10.5442, 0.0834, 0.4794

Sweetspot

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



10.5444, 0.1910, 0.1004



60.7073, 0.2835, 0.2658



41.8637, 0.2144, 0.2704



11.9156, 0.2780, 0.2547



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.



10.5444, 0.1910, 0.1004



9.2297, 0.1695, 0.0734



17.8955, 0.2696, 0.1406



14.0602, 0.3019, 0.3050



3.7832, 0.1647, 0.0681



0.3226, 0.1793, 0.0762

Inverse Universe

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



22.4214, 0.3747, 0.2005



25.6620, 0.3912, 0.1953



58.4154, 0.3202, 0.5580



14.5505, 0.3176, 0.3115



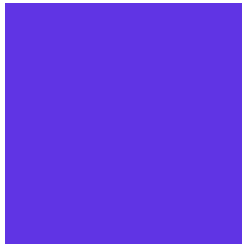
11.2428, 0.3960, 0.1955



0.8454, 0.3827, 0.1882

Previews

White Background



This preview shows how the Yxy color 10.5442, 0.1910, 0.1004 looks on a white background.

Color Contrast Check

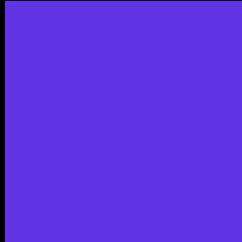
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5442, 0.1910, 0.1004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

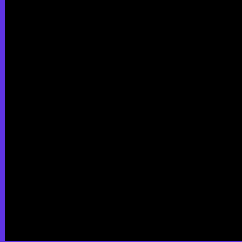
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5442, 0.1910, 0.1004

Background



This preview shows how black text looks on a background with the Yxy color 10.5442, 0.1910, 0.1004.



This preview shows how white text looks on a background with the Yxy color 10.5442, 0.1910, 0.1004.

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

10.5442, 0.1910, 0.1004

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.4740, 0.1867, 0.1922



Tritanopia

10.5661, 0.2401, 0.3078

Trichromacy



Original Color

10.5442, 0.1910, 0.1004



Protanomaly

9.6065, 0.1724, 0.1205



Deuteranomaly

9.3682, 0.1786, 0.1390



Tritanomaly

9.3589, 0.2118, 0.1850

Monochromacy



Original Color

10.5442, 0.1910, 0.1004



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

8.6951, 0.2477, 0.1955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5442, 0.1910, 0.1004 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(96, 52, 228)` looks like.

```
.text, #text, p{  
  color:rgb(96, 52, 228)  
}
```

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(96, 52, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 52, 228) }
```

Border

The CSS property to change the border of an element to Yxy 10.5442, 0.1910, 0.1004 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(96, 52, 228) }
```

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

```
.border{ border-color:rgb(96, 52, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 52, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 52, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 52, 228); box-shadow:4px 4px 4px 4px rgb(96, 52, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5442, 0.1910, 0.1004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 52, 228) }
```

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

```
.background{ background-color: rgb(96, 52,  
228) }
```

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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