

Converting Colors

$Y_{xy}(13.0011, 0.1973, 0.1191)$

Have a look what the booklet for
Yxy(13.0011, 0.1973, 0.1191)
contains.

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Color

Yxy(13.0192, 0.1969, 0.1191)

Conversions

Conversions Part 1

Format	Color
Hex	6349E4
RGB	99, 73, 228
RGB Percent	39%, 29%, 89%
CMY	0.6121, 0.7136, 0.1059
CMYK	0.57, 0.68, 0.00, 0.11
HSL	250°, 74%, 59%
HSV	250°, 68%, 89%
XYZ	21.5238, 13.0192, 74.7702
YIQ	98.4440, -34.2590, 53.7170

Conversions

Conversions Part 2

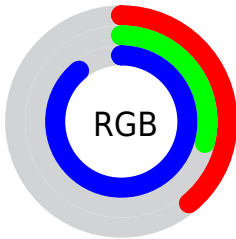
Format	Color
RYB	99, 73, 228
Decimal	6506980
CIELab	42.79, 51.35, -75.08
CIELCh	43, 90.963, 304.368
Yxy	13.0192, 0.1969, 0.1191
Android (android.graphics.Color)	4284697060 (0xFF6349E4)
YUV	98.4440, 63.8711, 0.4876
Hunter-Lab	36.0821, 43.3354, -97.6046

Details

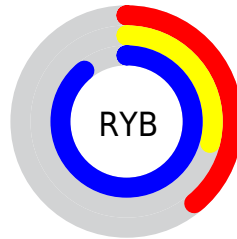
The Yxy color **13.0192, 0.1969, 0.1191** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **68.5351, 0.3848, 0.4945**, and the grayscale version is **12.1745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2124, 0.2388, 0.1746**, and **3.7127, 0.1568, 0.0736** is the 20% darker color. If you saturate the color by 10%, you get **9.6053, 0.1803, 0.0939**, and if you desaturate by 10%, it is **17.7828, 0.2156, 0.1496**.

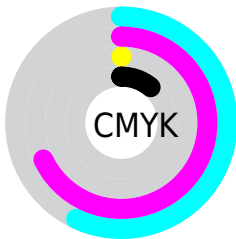
Distribution



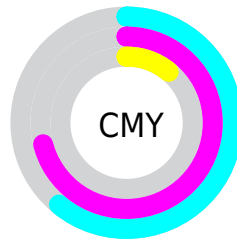
- Red (39%)
- Green (29%)
- Blue (89%)



- Red (39%)
- Yellow (29%)
- Blue (89%)



- Cyan (57%)
- Magenta (68%)
- Yellow (0%)
- Black (11%)





- Cyan (61%)
- Magenta (71%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0192, 0.1969, 0.1191 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 13.0192, 0.1969, 0.1191 by changing the saturation by 10% instead.


 13.0192, 0.1969,
0.1191


 13.0192, 0.1969,
0.1191


211.0407, 0.2632,
0.2198


 7.4418, 0.1793,
0.0979


 31.3383, 0.2222,
0.1532

 3.7399, 0.1568,
0.0739


 44.8487, 0.2314,
0.1669

 1.5291, 0.1282,
0.0477

 61.7723, 0.2391,
0.1788

 0.3091, 0.0929,
0.0163

 82.4933, 0.2455,
0.1891

 0.0000, 0.0472,
0.0000

 107.3963, 0.2510,
0.1982

 0.0000, 0.0000,
0.0000

136.8656, 0.2556,

0.2063

171.2856, 0.2597,
0.2134

■ 13.0192, 0.1969,
0.1191

■ 13.0192, 0.1969,
0.1191

■ 9.6053, 0.1803,
0.0939

■ 17.7828, 0.2156,
0.1496

■ 7.3954, 0.1671,
0.0757

■ 24.0189, 0.2351,
0.1830


■ 6.1929, 0.1580,
0.0652

■ 31.8373, 0.2542,
0.2170


■ 6.0145, 0.1565,
0.0636


■ 41.3373, 0.2721,
0.2501

■ 52.6097, 0.2883,
0.2809

 65.7388, 0.3026,
0.3089

 80.8037, 0.3151,
0.3338

 97.6022, 0.3259,
0.3554

 98.3809, 0.3286,
0.3552

Harmonies

Analogous

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



13.0192, 0.1092, 0.1060



13.0192, 0.1969, 0.1191



13.0192, 0.3603, 0.1635

Triad

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



13.0192, 0.1969, 0.1191



13.0192, 0.5944, 0.4056



13.0192, 0.0976, 0.3877

Complementary

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



13.0192, 0.1969, 0.1191



68.5351, 0.3848, 0.4945

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.



13.0192, 0.1905, 0.6479



13.0192, 0.1969, 0.1191



13.0192, 0.4666, 0.5334

Square

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



13.0192, 0.1969, 0.1191



13.0192, 0.6467, 0.3124



13.0192, 0.3252, 0.6748



13.0192, 0.0655, 0.1978

Rectangle

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



13.0192, 0.1969, 0.1191



13.0192, 0.4972, 0.2093



13.0192, 0.3252, 0.6748



13.0192, 0.1215, 0.4812

Sweetspot

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



13.0195, 0.1969, 0.1191



64.4800, 0.2849, 0.2744



49.3378, 0.2254, 0.2934



12.9017, 0.2804, 0.2658



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.



13.0195, 0.1969, 0.1191



10.9078, 0.1739, 0.0847



19.6412, 0.2656, 0.1518



14.0022, 0.3006, 0.3049



3.5077, 0.1574, 0.0641



0.2940, 0.1697, 0.0708

Inverse Universe

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



25.5323, 0.3490, 0.1978



28.3774, 0.3584, 0.1844



60.3000, 0.3287, 0.5306



14.5717, 0.3163, 0.3096



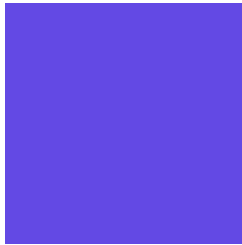
11.6841, 0.3681, 0.1801



0.8744, 0.3601, 0.1757

Previews

White Background



This preview shows how the Yxy color 13.0192, 0.1969, 0.1191 looks on a white background.

Color Contrast Check

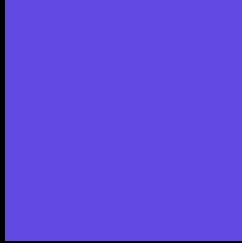
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0192, 0.1969, 0.1191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

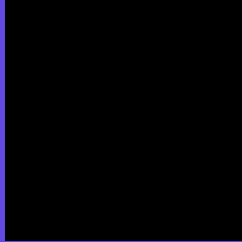
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0192, 0.1969, 0.1191

Background



This preview shows how black text looks on a background with the Yxy color 13.0192, 0.1969, 0.1191.



This preview shows how white text looks on a background with the Yxy color 13.0192, 0.1969, 0.1191.

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

13.0192, 0.1969, 0.1191

Protanopia

12.9572, 0.1744, 0.1477

Deuteranopia

12.8351, 0.1855, 0.1876



Tritanopia

12.8793, 0.2448, 0.3073

Trichromacy



Original Color

13.0192, 0.1969, 0.1191



Protanomaly

12.1586, 0.1748, 0.1310



Deuteranomaly

11.9695, 0.1811, 0.1505



Tritanomaly

11.9965, 0.2201, 0.2055

Monochromacy



Original Color

13.0192, 0.1969, 0.1191



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.7858, 0.2548, 0.2189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0192, 0.1969, 0.1191 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(99, 73, 228)` looks like.

```
.text, #text, p{  
    color:rgb(99, 73, 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(99, 73, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 73, 228) }
```

Border

The CSS property to change the border of an element to Yxy 13.0192, 0.1969, 0.1191 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(99, 73, 228) }
```

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

```
.border{ border-color:rgb(99, 73, 228) }
```

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

Here you see how a box with a 4 pixel rgb(99, 73, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 73, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 73, 228);  
box-shadow:4px 4px 4px 4px rgb(99, 73,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0192, 0.1969, 0.1191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 73, 228) }
```

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

```
.background{ background-color: rgb(99, 73,  
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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