

Converting Colors

$Y_{xy}(10.9239, 0.1954, 0.1224)$

Have a look what the booklet for
Yxy(10.9239, 0.1954, 0.1224)
contains.

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Color

Yxy(10.9128, 0.1952, 0.1224)

Conversions

Conversions Part 1

Format	Color
Hex	5646D0
RGB	86, 70, 208
RGB Percent	34%, 27%, 82%
CMY	0.6631, 0.7253, 0.1845
CMYK	0.59, 0.66, 0.00, 0.18
HSL	247°, 59%, 55%
HSV	247°, 66%, 82%
XYZ	17.4034, 10.9128, 60.8406
YIQ	90.5160, -34.7620, 46.3100

Conversions

Conversions Part 2

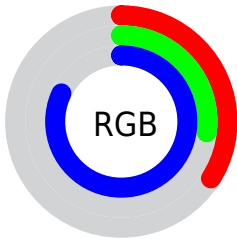
Format	Color
R_{YB}	86, 70, 208
Decimal	5654224
CIE _{Lab}	39.43, 44.99, -69.16
CIE _{LCh}	39, 82.501, 303.045
Yxy	10.9128, 0.1952, 0.1224
Android (android.graphics.Color)	4283844304 (0xFF5646D0)
YUV	90.5160, 57.9196, -3.9605
Hunter-Lab	33.0345, 36.2279, -86.0719

Details

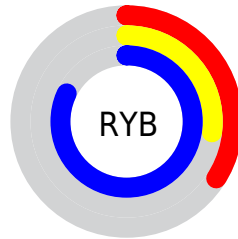
The Yxy color **10.9128, 0.1952, 0.1224** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **56.7564, 0.3897, 0.4870**, and the grayscale version is **10.2193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8560, 0.2278, 0.1663**, and **2.9203, 0.1542, 0.0751** is the 20% darker color. If you saturate the color by 10%, you get **7.9815, 0.1783, 0.0959**, and if you desaturate by 10%, it is **14.9701, 0.2144, 0.1539**.

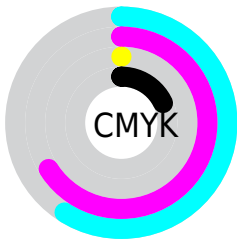
Distribution



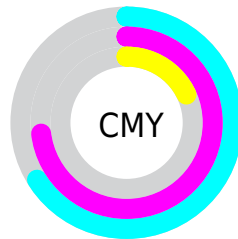
- Red (34%)
- Green (27%)
- Blue (82%)



- Red (34%)
- Yellow (27%)
- Blue (82%)



- Cyan (59%)
- Magenta (66%)
- Yellow (0%)
- Black (18%)



- Cyan (66%)
- Magenta (73%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.9128, 0.1952, 0.1224 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 10.9128, 0.1952, 0.1224 by changing the saturation by 10% instead.

■ 10.9128, 0.1952,
0.1224

■ 10.9128, 0.1952,
0.1224

■ 197.0683, 0.2641,
0.2257

■ 6.0082, 0.1761,
0.0996

■ 27.4988, 0.2220,
0.1583

■ 2.8501, 0.1515,
0.0735

■ 39.9490, 0.2316,
0.1725

■ 1.0540, 0.1196,
0.0448

■ 55.6833, 0.2395,
0.1846

■ 0.0000, 0.0811,
0.0000

■ 75.0859, 0.2461,
0.1951

■ 0.0000, 0.0000,
0.0000

■ 98.5413, 0.2517,
0.2042

126.4339, 0.2564,

0.2123

159.1481, 0.2605,
0.2194

■ 10.9128, 0.1952,
0.1224

■ 10.9128, 0.1952,
0.1224

■ 7.9815, 0.1783,
0.0959

■ 14.9701, 0.2144,
0.1539

■ 6.0603, 0.1650,
0.0764

■ 20.2521, 0.2345,
0.1880

■ 5.0053, 0.1561,
0.0650

■ 26.8475, 0.2542,
0.2223

■ 4.7456, 0.1538,
0.0621

■ 34.8367, 0.2727,
0.2553

■ 44.2933, 0.2895,
0.2858

■ 55.2860, 0.3043,
0.3133

■ 67.8791, 0.3173,
0.3376

■ 82.1332, 0.3284,
0.3589

■ 96.6837, 0.3383,
0.3754

Harmonies

Analogous

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



10.9128, 0.1111, 0.1107



10.9128, 0.1952, 0.1224



10.9128, 0.3509, 0.1651

Triad

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



10.9128, 0.1952, 0.1224



10.9128, 0.5952, 0.4048



10.9128, 0.1064, 0.3979

Complementary

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



10.9128, 0.1952, 0.1224



56.7564, 0.3897, 0.4870

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.



10.9128, 0.2020, 0.6407



10.9128, 0.1952, 0.1224



10.9128, 0.4734, 0.5266

Square

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



10.9128, 0.1952, 0.1224



10.9128, 0.6369, 0.3126



10.9128, 0.3370, 0.6630



10.9128, 0.0710, 0.2081

Rectangle

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



10.9128, 0.1952, 0.1224



10.9128, 0.4826, 0.2097



10.9128, 0.3370, 0.6630



10.9128, 0.1315, 0.4874

Sweetspot

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



10.9131, 0.1952, 0.1224



64.0880, 0.2831, 0.2742



44.5169, 0.2304, 0.3086



12.8097, 0.2783, 0.2655



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.



10.9131, 0.1952, 0.1224



11.0623, 0.1716, 0.0859



15.6913, 0.2574, 0.1514



11.4819, 0.2999, 0.3051



2.9805, 0.1544, 0.0624



0.1890, 0.1665, 0.0691

Inverse Universe

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



21.6011, 0.3385, 0.1939



29.4271, 0.3449, 0.1783



49.9135, 0.3355, 0.5210



11.9847, 0.3155, 0.3087



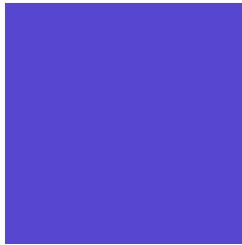
10.5257, 0.3520, 0.1713



0.5953, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 10.9128, 0.1952, 0.1224 looks on a white background.

Color Contrast Check

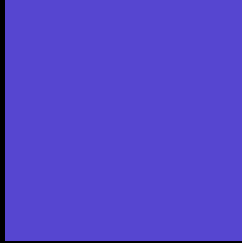
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9128, 0.1952, 0.1224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

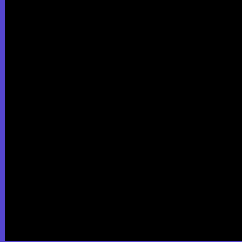
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9128, 0.1952, 0.1224

Background



This preview shows how black text looks on a background with the Yxy color 10.9128, 0.1952, 0.1224.



This preview shows how white text looks on a background with the Yxy color 10.9128, 0.1952, 0.1224.

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

10.9128, 0.1952, 0.1224

Protanopia

10.8189, 0.1744, 0.1479

Deuteranopia

10.7931, 0.1858, 0.1890



Tritanopia

10.9251, 0.2371, 0.3080

Trichromacy



Original Color

10.9128, 0.1952, 0.1224

Protanomaly

10.3114, 0.1751, 0.1333

Deuteranomaly

10.2016, 0.1817, 0.1541

Tritanomaly

10.2865, 0.2154, 0.2096

Monochromacy



Original Color

10.9128, 0.1952, 0.1224

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.0316, 0.2535, 0.2208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9128, 0.1952, 0.1224 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(86, 70, 208)` looks like.

```
.text, #text, p{  
    color:rgb(86, 70, 208)  
}
```

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(86, 70, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 70, 208) }
```

Border

The CSS property to change the border of an element to Yxy 10.9128, 0.1952, 0.1224 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(86, 70, 208) }
```

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

```
.border{ border-color:rgb(86, 70, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 70, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 70, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 70, 208);  
box-shadow:4px 4px 4px 4px rgb(86, 70,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9128, 0.1952, 0.1224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 70, 208) }
```

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

```
.background{ background-color: rgb(86, 70,  
208) }
```

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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