

Converting Colors

$Y_{xy}(10.7838, 0.1862, 0.0993)$

Have a look what the booklet for
Yxy(10.7838, 0.1862, 0.0993)
contains.

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Color

Yxy(10.7322, 0.1862, 0.0992)

Conversions

Conversions Part 1

Format	Color
Hex	5A37E8
RGB	90, 55, 232
RGB Percent	35%, 22%, 91%
CMY	0.6469, 0.7843, 0.0904
CMYK	0.61, 0.76, 0.00, 0.09
HSL	252°, 79%, 56%
HSV	252°, 76%, 91%
XYZ	20.1445, 10.7322, 77.3108
YIQ	85.6430, -35.9570, 62.4670

Conversions

Conversions Part 2

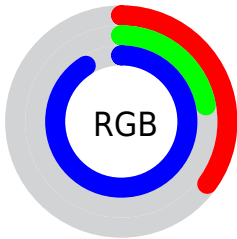
Format	Color
R_{YB}	90, 55, 232
Decimal	5912552
CIE _{Lab}	39.13, 60.50, -83.38
CIE _{LCh}	39, 103.017, 305.964
Yxy	10.7322, 0.1862, 0.0992
Android (android.graphics.Color)	4284102632 (0xFF5A37E8)
YUV	85.6430, 72.1540, 3.8211
Hunter-Lab	32.7600, 52.4316, -116.9871

Details

The Yxy color **10.7322, 0.1862, 0.0992** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **69.8144, 0.3844, 0.5108**, and the grayscale version is **9.0808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.7040, 0.2317, 0.1554**, and **3.0951, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.2027, 0.1721, 0.0798**, and if you desaturate by 10%, it is **14.5299, 0.2032, 0.1253**.

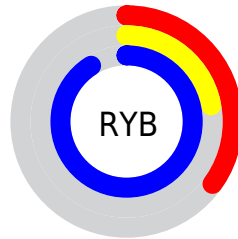
Distribution



Red (35%)

Green (22%)

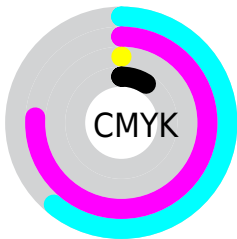
Blue (91%)



Red (35%)

Yellow (22%)

Blue (91%)

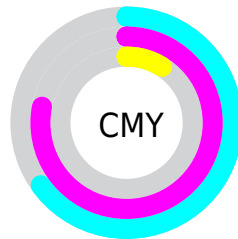


Cyan (61%)

Magenta (76%)

Yellow (0%)

Black (9%)



Cyan (65%)


Magenta (78%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7322, 0.1862, 0.0992 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 10.7322, 0.1862, 0.0992 by changing the saturation by 10% instead.


 10.7322, 0.1862,
0.0992


 10.7322, 0.1862,
0.0992


195.8210, 0.2594,
0.2069


 5.8871, 0.1670,
0.0780


 27.1639, 0.2140,
0.1347


 2.7765, 0.1430,
0.0549


 39.5192, 0.2242,
0.1492


 1.0162, 0.1130,
0.0314

 55.1467, 0.2327,
0.1620

 0.0000, 0.0780,
0.0000

 74.4308, 0.2398,
0.1732

 0.0000, 0.0302,
0.0000

 97.7559, 0.2458,
0.1831

 0.0000, 0.0000,
0.0000

 125.5064, 0.2510,

0.1920

158.0666, 0.2555,
0.1998

■ 10.7322, 0.1862,
0.0992

■ 10.7322, 0.1862,
0.0992

■ 8.2027, 0.1721,
0.0798

■ 14.5299, 0.2032,
0.1253

■ 6.7628, 0.1617,
0.0679

■ 19.7393, 0.2218,
0.1561

■ 6.4022, 0.1587,
0.0648

■ 26.4849, 0.2408,
0.1895

■ 34.8770, 0.2592,
0.2232

■ 45.0158, 0.2763,
0.2556

■ 56.9935, 0.2917,
0.2858

■ 70.8955, 0.3052,
0.3133

■ 86.8021, 0.3169,
0.3378

■ 98.6029, 0.3262,
0.3513

Harmonies

Analogous

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



10.7322, 0.0915, 0.0844



10.7322, 0.1862, 0.0992



10.7322, 0.3776, 0.1461

Triad

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



10.7322, 0.1862, 0.0992



10.7322, 0.6076, 0.3924



10.7322, 0.0654, 0.3739

Complementary

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



10.7322, 0.1862, 0.0992



69.8144, 0.3844, 0.5108

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.



10.7322, 0.1497, 0.7147



10.7322, 0.1862, 0.0992



10.7322, 0.4529, 0.5471

Square

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



10.7322, 0.1862, 0.0992



10.7322, 0.6915, 0.2951



10.7322, 0.2824, 0.7176



10.7322, 0.0431, 0.1658

Rectangle

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



10.7322, 0.1862, 0.0992



10.7322, 0.5423, 0.1941



10.7322, 0.2824, 0.7176



10.7322, 0.0855, 0.4922

Sweetspot

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



10.7324, 0.1862, 0.0992



60.2627, 0.2814, 0.2655



47.7152, 0.2183, 0.2841



11.8104, 0.2755, 0.2542



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.



10.7324, 0.1862, 0.0992



8.9228, 0.1652, 0.0715



17.7764, 0.2610, 0.1372



14.0239, 0.3011, 0.3049



3.5979, 0.1598, 0.0654



0.3042, 0.1732, 0.0728

Inverse Universe

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



23.9065, 0.3615, 0.1934



26.3553, 0.3739, 0.1861



61.3390, 0.3252, 0.5527



14.5637, 0.3168, 0.3104



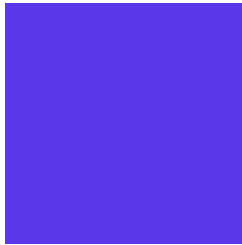
11.5120, 0.3782, 0.1857



0.8632, 0.3683, 0.1802

Previews

White Background



This preview shows how the Yxy color 10.7322, 0.1862, 0.0992 looks on a white background.

Color Contrast Check

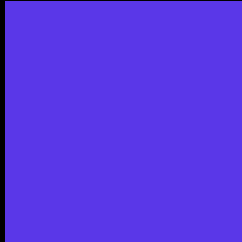
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7322, 0.1862, 0.0992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

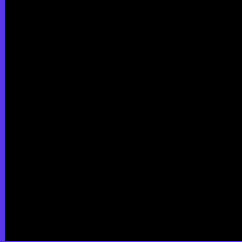
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7322, 0.1862, 0.0992

Background



This preview shows how black text looks on a background with the Yxy color 10.7322, 0.1862, 0.0992.



This preview shows how white text looks on a background with the Yxy color 10.7322, 0.1862, 0.0992.

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

10.7322, 0.1862, 0.0992

Protanopia

10.5246, 0.1747, 0.1488

Deuteranopia

10.5086, 0.1864, 0.1909



Tritanopia

10.6057, 0.2258, 0.3074

Trichromacy



Original Color

10.7322, 0.1862, 0.0992

Protanomaly

9.8040, 0.1718, 0.1204

Deuteranomaly

9.6058, 0.1775, 0.1380

Tritanomaly

9.3021, 0.1991, 0.1811

Monochromacy



Original Color

10.7322, 0.1862, 0.0992

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

8.9225, 0.2436, 0.1957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7322, 0.1862, 0.0992 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(90, 55, 232)` looks like.

```
.text, #text, p{  
    color:rgb(90, 55, 232)  
}
```

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(90, 55, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 55, 232) }
```

Border

The CSS property to change the border of an element to Yxy 10.7322, 0.1862, 0.0992 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(90, 55, 232) }
```

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

```
.border{ border-color:rgb(90, 55, 232) }
```

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

Here you see how a box with a 4 pixel rgb(90, 55, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 55, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 55, 232);  
box-shadow:4px 4px 4px 4px rgb(90, 55,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7322, 0.1862, 0.0992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 55, 232) }
```

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

```
.background{ background-color: rgb(90, 55,  
232) }
```

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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