

Converting Colors

$Y_{xy}(10.7703, 0.1724, 0.1010)$

Have a look what the booklet for
Yxy(10.7703, 0.1724, 0.1010)
contains.

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Color

Yxy(10.7703, 0.1724, 0.1010)

Conversions

Conversions Part 1

Format	Color
Hex	3B43E8
RGB	59, 67, 232
RGB Percent	23%, 26%, 91%
CMY	0.7683, 0.7374, 0.0900
CMYK	0.75, 0.71, 0.00, 0.09
HSL	237°, 79%, 57%
HSV	237°, 75%, 91%
XYZ	18.3842, 10.7703, 77.4822
YIQ	83.4180, -57.7330, 49.6190

Conversions

Conversions Part 2

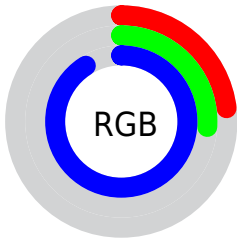
Format	Color
R_{YB}	59, 67, 232
Decimal	3884008
CIE _{Lab}	39.19, 51.27, -83.40
CIE _{LCh}	39, 97.898, 301.580
Yxy	10.7703, 0.1724, 0.1010
Android (android.graphics.Color)	4282074088 (0xFF3B43E8)
YUV	83.4180, 73.2509, -21.4146
Hunter-Lab	32.8181, 42.5609, -117.0084

Details

The Yxy color **10.7703, 0.1724, 0.1010** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **70.8834, 0.4155, 0.4845**, and the grayscale version is **8.5984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.5361, 0.2161, 0.1575**, and **3.6315, 0.1526, 0.0692** is the 20% darker color. If you saturate the color by 10%, you get **8.0638, 0.1601, 0.0796**, and if you desaturate by 10%, it is **14.7983, 0.1891, 0.1292**.

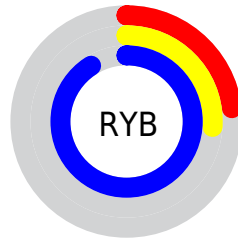
Distribution



Red (23%)

Green (26%)

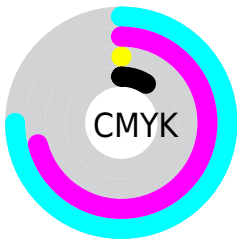
Blue (91%)



Red (23%)

Yellow (26%)

Blue (91%)

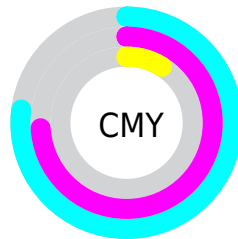


Cyan (75%)

Magenta (71%)

Yellow (0%)

Black (9%)



Cyan (77%)


Magenta (74%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7703, 0.1724, 0.1010 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 10.7703, 0.1724, 0.1010 by changing the saturation by 10% instead.


 10.7703, 0.1724,
0.1010


 10.7703, 0.1724,
0.1010


196.0848, 0.2516,
0.2090


 5.9126, 0.1523,
0.0795


 27.2346, 0.2020,
0.1368


 2.7920, 0.1275,
0.0560


 39.6100, 0.2131,
0.1515


 1.0241, 0.0974,
0.0321

 55.2601, 0.2223,
0.1643

 0.0000, 0.0633,
0.0000

 74.5693, 0.2300,
0.1755

 0.0000, 0.0105,
0.0000

 97.9220, 0.2366,
0.1854

 0.0000, 0.0000,
0.0000

125.7025, 0.2423,

0.1942

158.2953, 0.2473,
0.2020

■ 10.7703, 0.1724,
0.1010

■ 10.7703, 0.1724,
0.1010

■ 8.0638, 0.1601,
0.0796

■ 14.7983, 0.1891,
0.1292

■ 6.5110, 0.1528,
0.0662

■ 20.2869, 0.2087,
0.1618

■ 6.0576, 0.1506,
0.0621

■ 27.3585, 0.2298,
0.1963

■ 36.1223, 0.2509,
0.2305

■ 46.6777, 0.2709,
0.2627

■ 59.1165, 0.2894,
0.2921

■ 73.5244, 0.3059,
0.3182

■ 89.9815, 0.3204,
0.3411

■ 98.6084, 0.3262,
0.3512

Harmonies

Analogous

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



10.7703, 0.0888, 0.0903



10.7703, 0.1724, 0.1010



10.7703, 0.3430, 0.1429

Triad

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



10.7703, 0.1724, 0.1010



10.7703, 0.6191, 0.3809



10.7703, 0.0815, 0.4205

Complementary

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



10.7703, 0.1724, 0.1010



70.8834, 0.4155, 0.4845

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.



10.7703, 0.1774, 0.7186



10.7703, 0.1724, 0.1010



10.7703, 0.4788, 0.5212

Square

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



10.7703, 0.1724, 0.1010



10.7703, 0.6790, 0.2900



10.7703, 0.3145, 0.6855



10.7703, 0.0498, 0.1913

Rectangle

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



10.7703, 0.1724, 0.1010



10.7703, 0.4990, 0.1884



10.7703, 0.3145, 0.6855



10.7703, 0.1062, 0.5361

Sweetspot

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



10.7705, 0.1724, 0.1010



61.3325, 0.2756, 0.2701



64.0164, 0.2341, 0.3402



12.2834, 0.2704, 0.2618



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.



10.7705, 0.1724, 0.1010



8.8777, 0.1559, 0.0719



14.2775, 0.2232, 0.1205



13.9917, 0.2980, 0.3058



3.4107, 0.1508, 0.0629



0.2894, 0.1531, 0.0711

Inverse Universe

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



20.7046, 0.5606, 0.3236



22.2352, 0.6161, 0.3261



64.9426, 0.3516, 0.5306



14.3786, 0.3285, 0.3280



9.5420, 0.6351, 0.3272



0.7089, 0.6214, 0.3197

Previews

White Background



This preview shows how the Yxy color 10.7703, 0.1724, 0.1010 looks on a white background.

Color Contrast Check

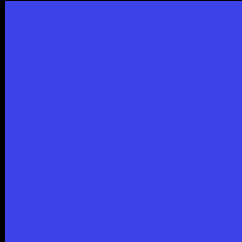
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7703, 0.1724, 0.1010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

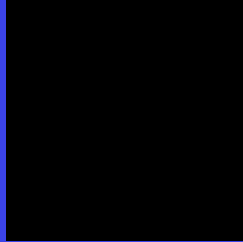
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7703, 0.1724, 0.1010

Background



This preview shows how black text looks on a background with the Yxy color 10.7703, 0.1724, 0.1010.



This preview shows how white text looks on a background with the Yxy color 10.7703, 0.1724, 0.1010.

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

10.7703, 0.1724, 0.1010

Protanopia

10.5246, 0.1747, 0.1488

Deuteranopia

10.5086, 0.1864, 0.1909



Tritanopia

10.5855, 0.2201, 0.3124

Trichromacy



Original Color

10.7703, 0.1724, 0.1010

Protanomaly

10.2085, 0.1704, 0.1246

Deuteranomaly

10.0452, 0.1760, 0.1432

Tritanomaly

9.6041, 0.1899, 0.1894

Monochromacy



Original Color

10.7703, 0.1724, 0.1010

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.5697, 0.2305, 0.1977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7703, 0.1724, 0.1010 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(59, 67, 232)` looks like.

```
.text, #text, p{  
    color:rgb(59, 67, 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(59, 67, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 67, 232) }
```

Border

The CSS property to change the border of an element to Yxy 10.7703, 0.1724, 0.1010 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(59, 67, 232) }
```

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

```
.border{ border-color:rgb(59, 67, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 67, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 67, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 67, 232);  
box-shadow:4px 4px 4px 4px rgb(59, 67,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7703, 0.1724, 0.1010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 67, 232) }
```

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

```
.background{ background-color: rgb(59, 67,  
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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