

Converting Colors

$Y_{xy}(10.4885, 0.1771, 0.1033)$

Have a look what the booklet for
Yxy(10.4885, 0.1771, 0.1033)
contains.

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Color

Yxy(10.5005, 0.1773, 0.1034)

Conversions

Conversions Part 1

Format	Color
Hex	4441E2
RGB	68, 65, 226
RGB Percent	27%, 25%, 89%
CMY	0.7332, 0.7452, 0.1136
CMYK	0.70, 0.71, 0.00, 0.11
HSL	241°, 74%, 57%
HSV	241°, 71%, 89%
XYZ	18.0052, 10.5005, 73.0465
YIQ	84.2510, -49.8930, 50.7070

Conversions

Conversions Part 2

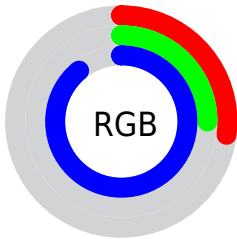
Format	Color
R _{YB}	68, 65, 226
Decimal	4473314
CIE _{Lab}	38.73, 51.27, -80.73
CIE _{LCh}	39, 95.633, 302.420
Yxy	10.5005, 0.1773, 0.1034
Android (android.graphics.Color)	4282663394 (0xFF4441E2)
YUV	84.2510, 69.8823, -14.2521
Hunter-Lab	32.4045, 42.4738, -110.9690

Details

The Yxy color **10.5005, 0.1773, 0.1034** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **70.4717, 0.4052, 0.4875**, and the grayscale version is **8.7811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.7157, 0.2192, 0.1578**, and **3.2972, 0.1522, 0.0680** is the 20% darker color. If you saturate the color by 10%, you get **7.7527, 0.1633, 0.0807**, and if you desaturate by 10%, it is **14.5874, 0.1953, 0.1330**.

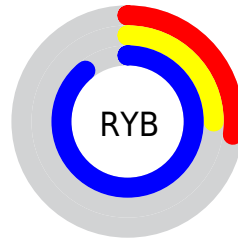
Distribution



Red (27%)

Green (25%)

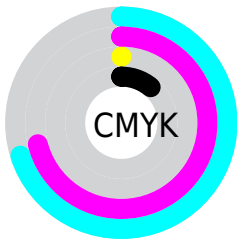
Blue (89%)



Red (27%)

Yellow (25%)

Blue (89%)

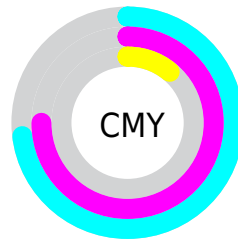


Cyan (70%)

Magenta (71%)

Yellow (0%)

Black (11%)



Cyan (73%)


Magenta (75%)

Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5005, 0.1773, 0.1034 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 10.5005, 0.1773, 0.1034 by changing the saturation by 10% instead.


 10.5005, 0.1773,
0.1034


 10.5005, 0.1773,
0.1034


 194.2078, 0.2547,
0.2115


 5.7320, 0.1572,
0.0815


 26.7327, 0.2066,
0.1395


 2.6828, 0.1322,
0.0575


 38.9653, 0.2174,
0.1542


 0.9685, 0.1013,
0.0328

 54.4547, 0.2263,
0.1670

 0.0000, 0.0660,
0.0000

 73.5853, 0.2339,
0.1782

 0.0000, 0.0068,
0.0000

 96.7415, 0.2403,
0.1880

 0.0000, 0.0000,
0.0000

 124.3078, 0.2458,

0.1968

156.6684, 0.2506,
0.2045

■ 10.5005, 0.1773,
0.1034

■ 10.5005, 0.1773,
0.1034

■ 7.7527, 0.1633,
0.0807

■ 14.5874, 0.1953,
0.1330

■ 6.1750, 0.1544,
0.0665

■ 20.1539, 0.2159,
0.1670

■ 5.5199, 0.1505,
0.0603

■ 27.3233, 0.2373,
0.2026

■ 36.2060, 0.2582,
0.2375

■ 46.9024, 0.2777,
0.2702

■ 59.5055, 0.2954,
0.2998

■ 74.1015, 0.3109,
0.3260

■ 90.7718, 0.3244,
0.3488

■ 98.2723, 0.3297,
0.3571

Harmonies

Analogous

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



10.5005, 0.0919, 0.0919



10.5005, 0.1773, 0.1034



10.5005, 0.3490, 0.1462

Triad

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



10.5005, 0.1773, 0.1034



10.5005, 0.6143, 0.3857



10.5005, 0.0822, 0.4107

Complementary

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



10.5005, 0.1773, 0.1034



70.4717, 0.4052, 0.4875

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.



10.5005, 0.1769, 0.7079



10.5005, 0.1773, 0.1034



10.5005, 0.4744, 0.5256

Square

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



10.5005, 0.1773, 0.1034



10.5005, 0.6756, 0.2939



10.5005, 0.3130, 0.6870



10.5005, 0.0513, 0.1896

Rectangle

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



10.5005, 0.1773, 0.1034



10.5005, 0.5031, 0.1921



10.5005, 0.3130, 0.6870



10.5005, 0.1064, 0.5232

Sweetspot

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



10.5007, 0.1773, 0.1034



61.8247, 0.2780, 0.2705



59.5729, 0.2314, 0.3252



12.3420, 0.2727, 0.2617



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.



10.5007, 0.1773, 0.1034



8.9118, 0.1579, 0.0720



15.5841, 0.2383, 0.1332



13.2556, 0.2983, 0.3048



3.1541, 0.1506, 0.0603



0.2231, 0.1524, 0.0613

Inverse Universe

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



25.2776, 0.3233, 0.1754



29.4593, 0.3248, 0.1615



60.6108, 0.3440, 0.5285



13.9309, 0.3141, 0.3063



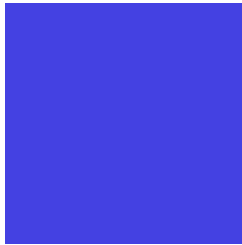
12.2267, 0.3257, 0.1568



0.8489, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 10.5005, 0.1773, 0.1034 looks on a white background.

Color Contrast Check

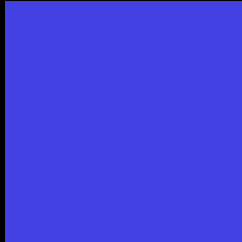
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5005, 0.1773, 0.1034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

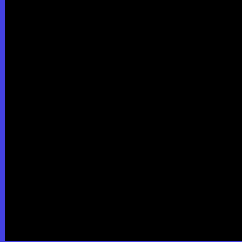
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5005, 0.1773, 0.1034

Background



This preview shows how black text looks on a background with the Yxy color 10.5005, 0.1773, 0.1034.



This preview shows how white text looks on a background with the Yxy color 10.5005, 0.1773, 0.1034.

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

10.5005, 0.1773, 0.1034

Protanopia

10.2771, 0.1747, 0.1489

Deuteranopia

10.2630, 0.1865, 0.1914



Tritanopia

10.3689, 0.2201, 0.3123

Trichromacy



Original Color

10.5005, 0.1773, 0.1034

Protanomaly

9.9222, 0.1717, 0.1261

Deuteranomaly

9.7706, 0.1776, 0.1454

Tritanomaly

9.3881, 0.1919, 0.1918

Monochromacy



Original Color

10.5005, 0.1773, 0.1034

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7050, 0.2361, 0.2007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5005, 0.1773, 0.1034 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(68, 65, 226)` looks like.

```
.text, #text, p{  
    color:rgb(68, 65, 226)  
}
```

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(68, 65, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 65, 226) }
```

Border

The CSS property to change the border of an element to Yxy 10.5005, 0.1773, 0.1034 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(68, 65, 226) }
```

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

```
.border{ border-color:rgb(68, 65, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 65, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 65, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 65, 226);  
box-shadow:4px 4px 4px 4px rgb(68, 65,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5005, 0.1773, 0.1034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 65, 226) }
```

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

```
.background{ background-color: rgb(68, 65,  
226) }
```

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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