

Converting Colors

$Y_{xy}(10.6348, 0.1744, 0.1006)$

Have a look what the booklet for
Yxy(10.6348, 0.1744, 0.1006)
contains.

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Color

Yxy(10.6401, 0.1743, 0.1006)

Conversions

Conversions Part 1

Format	Color
Hex	4041E7
RGB	64, 65, 231
RGB Percent	25%, 25%, 91%
CMY	0.7485, 0.7453, 0.0941
CMYK	0.72, 0.72, 0.00, 0.09
HSL	240°, 78%, 58%
HSV	240°, 72%, 91%
XYZ	18.4351, 10.6401, 76.6912
YIQ	83.6250, -53.8820, 51.4140

Conversions

Conversions Part 2

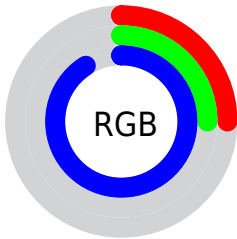
Format	Color
R _{YB}	64, 65, 231
Decimal	4211175
CIE _{Lab}	38.97, 52.50, -83.18
CIE _{LCh}	39, 98.358, 302.259
Yxy	10.6401, 0.1743, 0.1006
Android (android.graphics.Color)	4282401255 (0xFF4041E7)
YUV	83.6250, 72.6559, -17.2111
Hunter-Lab	32.6192, 43.7977, -116.5638

Details

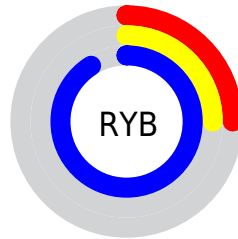
The Yxy color **10.6401, 0.1743, 0.1006** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **74.0535, 0.4090, 0.4867**, and the grayscale version is **8.6446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.5498, 0.2179, 0.1573**, and **3.4886, 0.1521, 0.0675** is the 20% darker color. If you saturate the color by 10%, you get **7.8962, 0.1611, 0.0787**, and if you desaturate by 10%, it is **14.7777, 0.1919, 0.1297**.

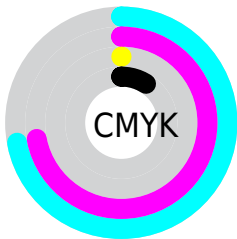
Distribution



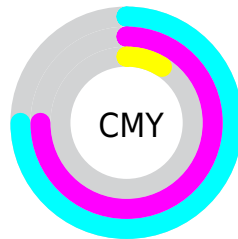
- Red (25%)
- Green (25%)
- Blue (91%)



- Red (25%)
- Yellow (25%)
- Blue (91%)



- Cyan (72%)
- Magenta (72%)
- Yellow (0%)
- Black (9%)




- Cyan (75%)
- Magenta (75%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6401, 0.1743, 0.1006 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 10.6401, 0.1743, 0.1006 by changing the saturation by 10% instead.


 10.6401, 0.1743,
0.1006


 10.6401, 0.1743,
0.1006


195.1815, 0.2528,
0.2088


 5.8254, 0.1542,
0.0791


 26.9927, 0.2038,
0.1365


 2.7392, 0.1294,
0.0556


 39.2994, 0.2147,
0.1511


 0.9971, 0.0991,
0.0317

 54.8722, 0.2238,
0.1640


 0.0000, 0.0647,
0.0000

 74.0954, 0.2315,
0.1752

 0.0000, 0.0114,
0.0000

 97.3536, 0.2381,
0.1852

 0.0000, 0.0000,
0.0000

 125.0311, 0.2437,

0.1940

157.5123, 0.2486,
0.2018

■ 10.6401, 0.1743,
0.1006

■ 10.6401, 0.1743,
0.1006

■ 7.8962, 0.1611,
0.0787

■ 14.7777, 0.1919,
0.1297

■ 6.3634, 0.1532,
0.0654

■ 20.4599, 0.2123,
0.1634

■ 5.7953, 0.1501,
0.0602

■ 27.8186, 0.2338,
0.1991

■ 36.9715, 0.2551,
0.2342

■ 48.0259, 0.2751,
0.2672

61.0804, 0.2933,
0.2971

76.2270, 0.3094,
0.3235

93.5519, 0.3234,
0.3466

98.5501, 0.3268,
0.3522

Harmonies

Analogous

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



10.6401, 0.0891, 0.0893



10.6401, 0.1743, 0.1006



10.6401, 0.3481, 0.1432

Triad

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



10.6401, 0.1743, 0.1006



10.6401, 0.6176, 0.3824



10.6401, 0.0788, 0.4135

Complementary

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



10.6401, 0.1743, 0.1006



74.0535, 0.4090, 0.4867

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.



10.6401, 0.1730, 0.7189



10.6401, 0.1743, 0.1006



10.6401, 0.4749, 0.5251

Square

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



10.6401, 0.1743, 0.1006



10.6401, 0.6813, 0.2906



10.6401, 0.3095, 0.6905



10.6401, 0.0486, 0.1871

Rectangle

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



10.6401, 0.1743, 0.1006



10.6401, 0.5057, 0.1892



10.6401, 0.3095, 0.6905



10.6401, 0.1027, 0.5300

Sweetspot

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



10.6403, 0.1743, 0.1006



60.2786, 0.2754, 0.2676



63.8663, 0.2328, 0.3324



12.0411, 0.2701, 0.2589



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.



10.6403, 0.1743, 0.1006



8.7049, 0.1563, 0.0706



15.4513, 0.2316, 0.1283



13.8987, 0.2980, 0.3048



3.2539, 0.1501, 0.0603



0.2446, 0.1504, 0.0613

Inverse Universe

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



21.0527, 0.5588, 0.3291



22.4731, 0.6170, 0.3295



64.0467, 0.3478, 0.5284



14.3692, 0.3292, 0.3289



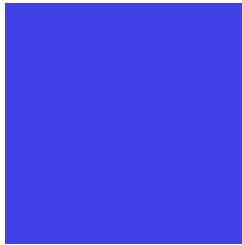
9.5262, 0.6395, 0.3297



0.7044, 0.6379, 0.3288

Previews

White Background



This preview shows how the Yxy color 10.6401, 0.1743, 0.1006 looks on a white background.

Color Contrast Check

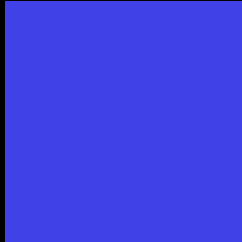
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6401, 0.1743, 0.1006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

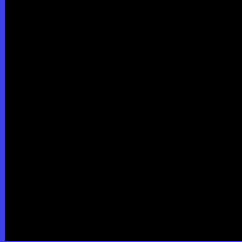
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6401, 0.1743, 0.1006

Background



This preview shows how black text looks on a background with the Yxy color 10.6401, 0.1743, 0.1006.



This preview shows how white text looks on a background with the Yxy color 10.6401, 0.1743, 0.1006.

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

10.6401, 0.1743, 0.1006

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.4740, 0.1867, 0.1922



Tritanopia

10.3689, 0.2201, 0.3123

Trichromacy



Original Color

10.6401, 0.1743, 0.1006

Protanomaly

10.1837, 0.1710, 0.1255

Deuteranomaly

9.8715, 0.1763, 0.1426

Tritanomaly

9.4286, 0.1904, 0.1887

Monochromacy



Original Color

10.6401, 0.1743, 0.1006

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.6917, 0.2339, 0.1988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6401, 0.1743, 0.1006 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(64, 65, 231)` looks like.

```
.text, #text, p{  
    color:rgb(64, 65, 231)  
}
```

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(64, 65, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 65, 231) }
```

Border

The CSS property to change the border of an element to Yxy 10.6401, 0.1743, 0.1006 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(64, 65, 231) }
```

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

```
.border{ border-color:rgb(64, 65, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 65, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 65, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 65, 231);  
box-shadow:4px 4px 4px 4px rgb(64, 65,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6401, 0.1743, 0.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 65, 231) }
```

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

```
.background{ background-color: rgb(64, 65,  
231) }
```

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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