

Converting Colors

$Y_{xy}(10.7199, 0.1584, 0.0902)$

Have a look what the booklet for
Yxy(10.7199, 0.1584, 0.0902)
contains.

Yxy(10.7297, 0.1585, 0.0905)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7297, 0.1585, 0.0905)

Conversions

Conversions Part 1

Format	Color
Hex	0043F7
RGB	0, 67, 247
RGB Percent	0%, 26%, 97%
CMY	0.9989, 0.7372, 0.0316
CMYK	1.00, 0.73, 0.00, 0.03
HSL	224°, 100%, 48%
HSV	224°, 100%, 97%
XYZ	18.7918, 10.7297, 89.0387
YIQ	67.4870, -97.7120, 41.7760

Conversions

Conversions Part 2

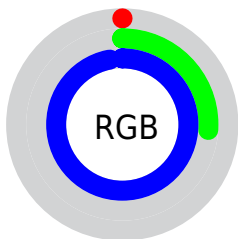
Format	Color
RYB	0, 53, 247
Decimal	17399
CIELab	39.12, 53.69, -91.99
CIELCh	39, 106.511, 300.270
Yxy	10.7297, 0.1585, 0.0905
Android (android.graphics.Color)	4278207479 (0xFF0043F7)
YUV	67.4870, 88.4999, -59.1861
Hunter-Lab	32.7562, 45.0796, -138.2341

Details

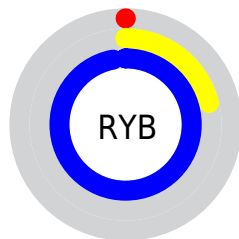
The Yxy color **10.7297, 0.1585, 0.0905** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark saturated blue. A complement of this color would be **52.4966, 0.4780, 0.4586**, and the grayscale version is **5.5768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.3556, 0.2061, 0.1535**, and **4.2869, 0.1525, 0.0689** is the 20% darker color. If you saturate the color by 10%, you get **10.7044, 0.1584, 0.0903**, and if you desaturate by 10%, it is **13.4197, 0.1657, 0.1088**.

Distribution



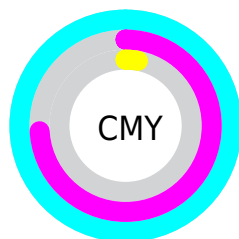
- Red (0%)
- Green (26%)
- Blue (97%)



- Red (0%)
- Yellow (21%)
- Blue (97%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (74%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7297, 0.1585, 0.0905 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 10.7297, 0.1585, 0.0905 by changing the saturation by 10% instead.


 10.7297, 0.1585,
0.0905


 10.7297, 0.1585,
0.0905


195.8036, 0.2433,
0.1999


 5.8854, 0.1382,
0.0700


 27.1592, 0.1894,
0.1257


 2.7755, 0.1138,
0.0481


 39.5133, 0.2011,
0.1405


 1.0157, 0.0851,
0.0268

 55.1393, 0.2110,
0.1535

 0.0000, 0.0539,
0.0000

 74.4217, 0.2194,
0.1650

 0.0000, 0.0118,
0.0000

 97.7450, 0.2267,
0.1752

 0.0000, 0.0000,
0.0000

125.4935, 0.2330,

0.1844

158.0516, 0.2384,
0.1926

■ 10.7297, 0.1585,
0.0905

■ 10.7297, 0.1585,
0.0905

■ 10.7044, 0.1584,
0.0903

■ 13.4197, 0.1657,
0.1088

■ 17.0903, 0.1763,
0.1314

■ 21.8703, 0.1903,
0.1572

■ 27.8530, 0.2068,
0.1848

■ 35.1206, 0.2250,
0.2128

■ 43.7474, 0.2438,
0.2401

■ 53.8016, 0.2624,
0.2657

■ 65.3465, 0.2804,
0.2892

■ 78.4418, 0.2973,
0.3104

Harmonies

Analogous

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



10.7297, 0.0775, 0.0810



10.7297, 0.1585, 0.0905



10.7297, 0.3332, 0.1307

Triad

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



10.7297, 0.1585, 0.0905



10.7297, 0.6345, 0.3655



10.7297, 0.0704, 0.4413

Complementary

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



10.7297, 0.1585, 0.0905



52.4966, 0.4780, 0.4586

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.



10.7297, 0.1650, 0.7622



10.7297, 0.1585, 0.0905



10.7297, 0.4857, 0.5143

Square

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



10.7297, 0.1585, 0.0905



10.7297, 0.6995, 0.2757



10.7297, 0.3059, 0.6941



10.7297, 0.0406, 0.1855

Rectangle

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



10.7297, 0.1585, 0.0905



10.7297, 0.5015, 0.1760



10.7297, 0.3059, 0.6941



10.7297, 0.0947, 0.5730

Sweetspot

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



10.7298, 0.1585, 0.0905



57.6815, 0.2621, 0.2653



69.6719, 0.2515, 0.4254



11.3299, 0.2543, 0.2547



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.



10.7298, 0.1585, 0.0905



11.4747, 0.1584, 0.0901



7.4950, 0.1601, 0.0656



16.6561, 0.2979, 0.3112



5.8637, 0.1592, 0.0930



0.6788, 0.1658, 0.1168

Inverse Universe

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



20.1771, 0.5904, 0.3027



21.6895, 0.5911, 0.3030



77.8982, 0.3808, 0.5358



16.5562, 0.3251, 0.3226



10.6913, 0.5865, 0.3005



0.9562, 0.5512, 0.2810

Previews

White Background



This preview shows how the Yxy color 10.7297, 0.1585, 0.0905 looks on a white background.

Color Contrast Check

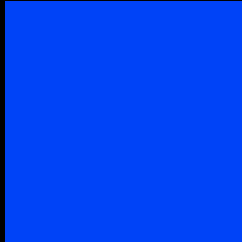
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7297, 0.1585, 0.0905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

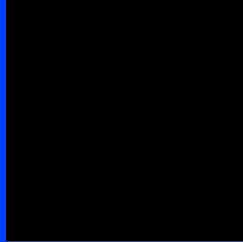
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7297, 0.1585, 0.0905

Background



This preview shows how black text looks on a background with the Yxy color 10.7297, 0.1585, 0.0905.



This preview shows how white text looks on a background with the Yxy color 10.7297, 0.1585, 0.0905.

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

10.7297, 0.1585, 0.0905

Protanopia

10.5246, 0.1747, 0.1488

Deuteranopia

10.4740, 0.1867, 0.1922



Tritanopia

10.5643, 0.2209, 0.3151

Trichromacy



Original Color

10.7297, 0.1585, 0.0905

Protanomaly

10.2914, 0.1668, 0.1204

Deuteranomaly

10.0584, 0.1719, 0.1387

Tritanomaly

9.6134, 0.1837, 0.1812

Monochromacy



Original Color

10.7297, 0.1585, 0.0905

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.3413, 0.1990, 0.1729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7297, 0.1585, 0.0905 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(0, 67, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 67, 247)  
}
```

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(0, 67, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 67, 247) }
```

Border

The CSS property to change the border of an element to Yxy 10.7297, 0.1585, 0.0905 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(0, 67, 247) }
```

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

```
.border{ border-color:rgb(0, 67, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 67, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 67, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 67, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 67, 247)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7297, 0.1585, 0.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 67, 247) }
```

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

```
.background{ background-color: rgb(0, 67,  
247) }
```

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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