

Converting Colors

$Y_{xy}(10.0608, 0.1617, 0.0805)$

Have a look what the booklet for
Yxy(10.0608, 0.1617, 0.0805)
contains.

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Color

Yxy(10.0413, 0.1618, 0.0804)

Conversions

Conversions Part 1

Format	Color
Hex	2F32FE
RGB	47, 50, 254
RGB Percent	18%, 20%, 100%
CMY	0.8151, 0.8041, 0.0039
CMYK	0.81, 0.80, 0.00, 0.00
HSL	239°, 99%, 59%
HSV	239°, 81%, 100%
XYZ	20.2075, 10.0413, 94.6430
YIQ	72.3590, -67.2720, 62.8080

Conversions

Conversions Part 2

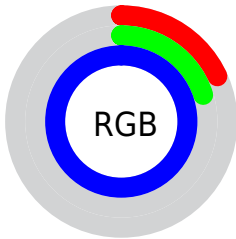
Format	Color
R_{YB}	47, 50, 254
Decimal	3093246
CIE _{Lab}	37.92, 66.02, -97.91
CIE _{LCh}	38, 118.091, 303.992
Yxy	10.0413, 0.1618, 0.0804
Android (android.graphics.Color)	4281283326 (0xFF2F32FE)
YUV	72.3590, 89.5490, -22.2398
Hunter-Lab	31.6880, 58.3757, -154.9006

Details

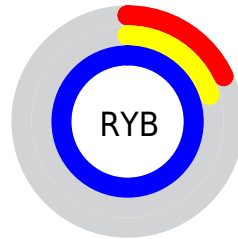
The Yxy color **10.0413, 0.1618, 0.0804** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **90.4012, 0.4162, 0.4953**, and the grayscale version is **6.4010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **21.3527, 0.2131, 0.1419**, and **3.9855, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.0148, 0.1535, 0.0663**, and if you desaturate by 10%, it is **13.5889, 0.1753, 0.1030**.

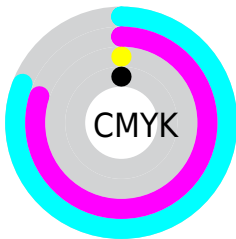
Distribution



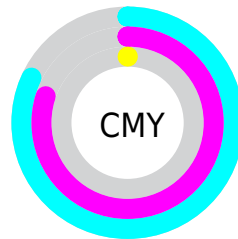
- Red (18%)
- Green (20%)
- Blue (100%)



- Red (18%)
- Yellow (20%)
- Blue (100%)



- Cyan (81%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0413, 0.1618, 0.0804 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 10.0413, 0.1618, 0.0804 by changing the saturation by 10% instead.


 10.0413, 0.1618,
0.0804


 10.0413, 0.1618,
0.0804


190.9666, 0.2457,
0.1908


 5.4263, 0.1417,
0.0607


 25.8732, 0.1924,
0.1150


 2.4995, 0.1175,
0.0404


 37.8588, 0.2040,
0.1298

 0.8764, 0.0892,
0.0213

 53.0702, 0.2138,
0.1430

 0.0000, 0.0581,
0.0000

 71.8917, 0.2222,
0.1547

 0.0000, 0.0213,
0.0000

 94.7077, 0.2293,
0.1652

 0.0000, 0.0000,
0.0000

 121.9026, 0.2355,

0.1747

153.8607, 0.2409,
0.1832

■ 10.0413, 0.1618,
0.0804

■ 10.0413, 0.1618,
0.0804

■ 8.0148, 0.1535,
0.0663

■ 13.5889, 0.1753,
0.1030

■ 7.2307, 0.1502,
0.0606

■ 18.8776, 0.1931,
0.1326

■ 26.0921, 0.2137,
0.1666

■ 35.3933, 0.2353,
0.2022

■ 46.9254, 0.2566,
0.2372

60.8197, 0.2765,
0.2699

77.1975, 0.2946,
0.2994

96.1715, 0.3106,
0.3255

99.9361, 0.3133,
0.3299

Harmonies

Analogous

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



10.0413, 0.0715, 0.0678



10.0413, 0.1618, 0.0804



10.0413, 0.3650, 0.1243

Triad

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



10.0413, 0.1618, 0.0804



10.0413, 0.6348, 0.3652



10.0413, 0.0453, 0.3971

Complementary

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



10.0413, 0.1618, 0.0804



90.4012, 0.4162, 0.4953

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.



10.0413, 0.1222, 0.8019



10.0413, 0.1618, 0.0804



10.0413, 0.4604, 0.5396

Square

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



10.0413, 0.1618, 0.0804



10.0413, 0.7318, 0.2682



10.0413, 0.2586, 0.7414



10.0413, 0.0278, 0.1508

Rectangle

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



10.0413, 0.1618, 0.0804



10.0413, 0.5565, 0.1717



10.0413, 0.2586, 0.7414



10.0413, 0.0630, 0.5480

Sweetspot

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



10.0414, 0.1618, 0.0804



57.5267, 0.2715, 0.2618



78.4321, 0.2291, 0.3329



11.2320, 0.2645, 0.2502



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.



10.0414, 0.1618, 0.0804



7.4370, 0.1508, 0.0616



15.4168, 0.2189, 0.1090



17.4171, 0.2978, 0.3047



3.8288, 0.1502, 0.0608



0.3861, 0.1508, 0.0627

Inverse Universe

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



23.3471, 0.5974, 0.3284



21.3893, 0.6368, 0.3294



77.9661, 0.3461, 0.5475



17.9911, 0.3292, 0.3287



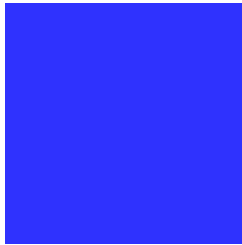
11.1145, 0.6387, 0.3292



1.0835, 0.6354, 0.3274

Previews

White Background



This preview shows how the Yxy color 10.0413, 0.1618, 0.0804 looks on a white background.

Color Contrast Check

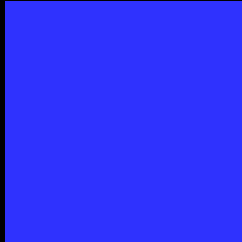
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0413, 0.1618, 0.0804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

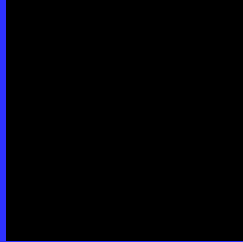
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0413, 0.1618, 0.0804

Background



This preview shows how black text looks on a background with the Yxy color 10.0413, 0.1618, 0.0804.



This preview shows how white text looks on a background with the Yxy color 10.0413, 0.1618, 0.0804.

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

10.0413, 0.1618, 0.0804

Protanopia

9.7517, 0.1750, 0.1499

Deuteranopia

9.7492, 0.1872, 0.1940



Tritanopia

9.7146, 0.2207, 0.3146

Trichromacy



Original Color

10.0413, 0.1618, 0.0804

Protanomaly

9.2101, 0.1662, 0.1118

Deuteranomaly

8.9622, 0.1709, 0.1277

Tritanomaly

8.4727, 0.1821, 0.1651

Monochromacy



Original Color

10.0413, 0.1618, 0.0804

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.5585, 0.2123, 0.1644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0413, 0.1618, 0.0804 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(47, 50, 254)` looks like.

```
.text, #text, p{  
    color:rgb(47, 50, 254)  
}
```

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(47, 50, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 50, 254) }
```

Border

The CSS property to change the border of an element to Yxy 10.0413, 0.1618, 0.0804 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(47, 50, 254) }
```

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

```
.border{ border-color:rgb(47, 50, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 50, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 50, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 50, 254);  
box-shadow:4px 4px 4px 4px rgb(47, 50,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0413, 0.1618, 0.0804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 50, 254) }
```

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

```
.background{ background-color: rgb(47, 50,  
254) }
```

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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