

Converting Colors

$Yxy(16.8301, 0.1997, 0.1413)$

Have a look what the booklet for
Yxy(16.8301, 0.1997, 0.1413)
contains.

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Color

Yxy(16.7333, 0.1994, 0.1409)

Conversions

Conversions Part 1

Format	Color
Hex	6160E8
RGB	97, 96, 232
RGB Percent	38%, 38%, 91%
CMY	0.6196, 0.6236, 0.0901
CMYK	0.58, 0.59, 0.00, 0.09
HSL	240°, 75%, 64%
HSV	240°, 59%, 91%
XYZ	23.6808, 16.7333, 78.3460
YIQ	111.8030, -43.0600, 42.5080

Conversions

Conversions Part 2

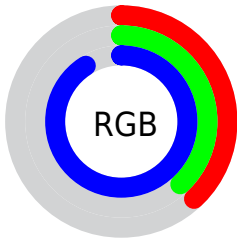
Format	Color
R_{YB}	97, 96, 232
Decimal	6381800
CIE _{Lab}	47.92, 39.10, -69.01
CIE _{LCh}	48, 79.313, 299.533
Yxy	16.7333, 0.1994, 0.1409
Android (android.graphics.Color)	4284571880 (0xFF6160E8)
YUV	111.8030, 59.2571, -12.9822
Hunter-Lab	40.9064, 31.7479, -84.9209

Details

The Yxy color **16.7333, 0.1994, 0.1409** is a dark color, and the websafe version is hex **6666FF**. A complement of this color would be **75.5656, 0.3952, 0.4671**, and the grayscale version is **15.9754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3565, 0.2404, 0.1996**, and **5.3851, 0.1624, 0.0970** is the 20% darker color. If you saturate the color by 10%, you get **12.0201, 0.1806, 0.1098**, and if you desaturate by 10%, it is **23.0635, 0.2204, 0.1757**.

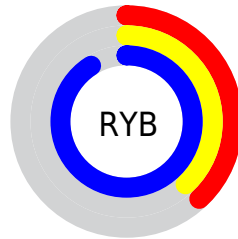
Distribution



Red (38%)

Green (38%)

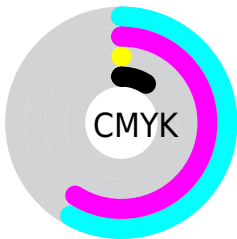
Blue (91%)



Red (38%)

Yellow (38%)

Blue (91%)

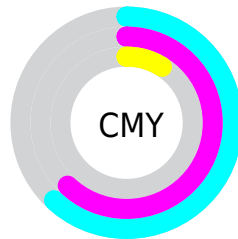


Cyan (58%)

Magenta (59%)

Yellow (0%)

Black (9%)



Cyan (62%)


Magenta (62%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7333, 0.1994, 0.1409 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 16.7333, 0.1994, 0.1409 by changing the saturation by 10% instead.


 16.7333, 0.1994,
0.1409


 16.7333, 0.1994,
0.1409

233.6307, 0.2620,
0.2322


 10.0445, 0.1831,
0.1209


 37.8667, 0.2229,
0.1724

 5.4285, 0.1625,
0.0974


 53.0800, 0.2316,
0.1848

 2.5008, 0.1361,
0.0704

 71.9037, 0.2388,
0.1955

 0.8770, 0.1026,
0.0412

 94.7221, 0.2449,
0.2048

 0.0000, 0.0630,
0.0000

121.9196, 0.2502,
0.2129

 0.0000, 0.0000,
0.0000

153.8806, 0.2547,

0.2201

190.9895, 0.2586,
0.2265

■ 16.7333, 0.1994,
0.1409

■ 16.7333, 0.1994,
0.1409

■ 12.0201, 0.1806,
0.1098

■ 23.0635, 0.2204,
0.1757

■ 8.7761, 0.1656,
0.0852

■ 31.1380, 0.2420,
0.2114

■ 6.8293, 0.1556,
0.0689

■ 41.0728, 0.2629,
0.2460

■ 5.9283, 0.1507,
0.0609

■ 52.9737, 0.2822,
0.2781

■ 5.8389, 0.1502,
0.0601

■ 66.9386, 0.2995,
0.3069

 83.0588, 0.3147,
0.3323

 98.6078, 0.3262,
0.3512

Harmonies

Analogous

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



16.7333, 0.1262, 0.1337



16.7333, 0.1994, 0.1409



16.7333, 0.3290, 0.1780

Triad

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



16.7333, 0.1994, 0.1409



16.7333, 0.5744, 0.4016



16.7333, 0.1423, 0.4144

Complementary

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



16.7333, 0.1994, 0.1409



75.5656, 0.3952, 0.4671

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.



16.7333, 0.2401, 0.5942



16.7333, 0.1994, 0.1409



16.7333, 0.4856, 0.5074

Square

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



16.7333, 0.1994, 0.1409



16.7333, 0.5898, 0.3174



16.7333, 0.3623, 0.6033



16.7333, 0.0974, 0.2435

Rectangle

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



16.7333, 0.1994, 0.1409



16.7333, 0.4382, 0.2183



16.7333, 0.3623, 0.6033



16.7333, 0.1696, 0.4842

Sweetspot

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



16.7338, 0.1994, 0.1409



66.4896, 0.2831, 0.2797



66.0432, 0.2402, 0.3288



13.2444, 0.2777, 0.2707



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.



16.7338, 0.1994, 0.1409



14.0703, 0.1777, 0.1051



22.0860, 0.2524, 0.1636



13.8923, 0.2981, 0.3047



3.2430, 0.1503, 0.0601



0.2415, 0.1509, 0.0605

Inverse Universe

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



31.2957, 0.3201, 0.1930



33.6332, 0.3212, 0.1751



66.4670, 0.3449, 0.4952



14.6133, 0.3139, 0.3060



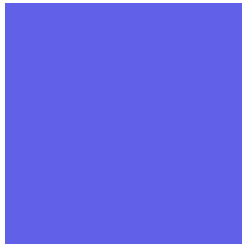
12.7057, 0.3228, 0.1552



0.9395, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 16.7333, 0.1994, 0.1409 looks on a white background.

Color Contrast Check

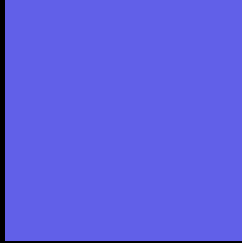
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7333, 0.1994, 0.1409 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 16.7333, 0.1994, 0.1409

Background



This preview shows how black text looks on a background with the Yxy color 16.7333, 0.1994, 0.1409.



This preview shows how white text looks on a background with the Yxy color 16.7333, 0.1994, 0.1409.

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

16.7333, 0.1994, 0.1409

Protanopia

16.7635, 0.1737, 0.1454

Deuteranopia

16.7078, 0.1843, 0.1834



Tritanopia

16.7001, 0.2381, 0.3071

Trichromacy



Original Color

16.7333, 0.1994, 0.1409



Protanomaly

16.0841, 0.1762, 0.1403



Deuteranomaly

16.0481, 0.1832, 0.1629



Tritanomaly

16.0144, 0.2192, 0.2240

Monochromacy



Original Color

16.7333, 0.1994, 0.1409



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.8342, 0.2583, 0.2376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7333, 0.1994, 0.1409 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(97, 96, 232)` looks like.

```
.text, #text, p{  
    color:rgb(97, 96, 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(97, 96, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 96, 232) }
```

Border

The CSS property to change the border of an element to Yxy 16.7333, 0.1994, 0.1409 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(97, 96, 232) }
```

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

```
.border{ border-color:rgb(97, 96, 232) }
```

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

Here you see how a box with a 4 pixel rgb(97, 96, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 96, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 96, 232);  
box-shadow:4px 4px 4px 4px rgb(97, 96,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7333, 0.1994, 0.1409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 96, 232) }
```

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

```
.background{ background-color: rgb(97, 96,  
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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