

Converting Colors

$Yxy(10.0742, 0.1639, 0.0886)$

Have a look what the booklet for
Yxy(10.0742, 0.1639, 0.0886)
contains.

Yxy(10.0742, 0.1639, 0.0886)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0742, 0.1639, 0.0886)

Conversions

Conversions Part 1

Format	Color
Hex	2C3BF2
RGB	44, 59, 242
RGB Percent	17%, 23%, 95%
CMY	0.8271, 0.7688, 0.0508
CMYK	0.82, 0.76, 0.00, 0.05
HSL	235°, 88%, 56%
HSV	235°, 82%, 95%
XYZ	18.6361, 10.0742, 84.9940
YIQ	75.3770, -67.6830, 53.7330

Conversions

Conversions Part 2

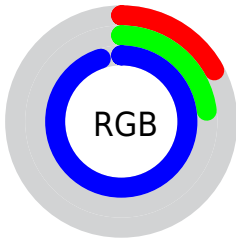
Format	Color
R _Y B	44, 58, 242
Decimal	2898930
CIE Lab	37.98, 57.82, -91.09
CIE LCh	38, 107.893, 302.407
Yxy	10.0742, 0.1639, 0.0886
Android (android.graphics.Color)	4281089010 (0xFF2C3BF2)
YUV	75.3770, 82.1451, -27.5176
Hunter-Lab	31.7399, 49.2618, -136.5505

Details

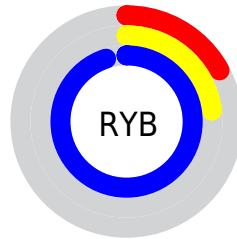
The Yxy color **10.0742, 0.1639, 0.0886** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **74.0947, 0.4250, 0.4875**, and the grayscale version is **6.9676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.5929, 0.2113, 0.1486**, and **3.7000, 0.1510, 0.0637** is the 20% darker color. If you saturate the color by 10%, you get **7.8573, 0.1550, 0.0718**, and if you desaturate by 10%, it is **13.5889, 0.1776, 0.1128**.

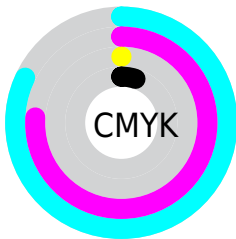
Distribution



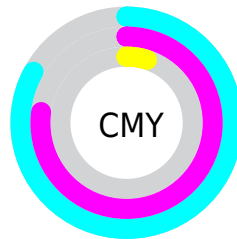
- Red (17%)
- Green (23%)
- Blue (95%)



- Red (17%)
- Yellow (23%)
- Blue (95%)



- Cyan (82%)
- Magenta (76%)
- Yellow (0%)
- Black (5%)




- Cyan (83%)
- Magenta (77%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0742, 0.1639, 0.0886 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 10.0742, 0.1639, 0.0886 by changing the saturation by 10% instead.


 10.0742, 0.1639,
0.0886


 10.0742, 0.1639,
0.0886


191.2008, 0.2472,
0.1991


 5.4482, 0.1434,
0.0679


 25.9350, 0.1946,
0.1242


 2.5126, 0.1186,
0.0460


 37.9385, 0.2062,
0.1391


 0.8829, 0.0892,
0.0247

 53.1700, 0.2159,
0.1522

 0.0000, 0.0567,
0.0000

 72.0139, 0.2241,
0.1639

 0.0000, 0.0113,
0.0000

 94.8545, 0.2312,
0.1742

 0.0000, 0.0000,
0.0000

 122.0763, 0.2373,

0.1834

154.0636, 0.2426,
0.1917

■ 10.0742, 0.1639,
0.0886

■ 10.0742, 0.1639,
0.0886

■ 7.8573, 0.1550,
0.0718

■ 13.5889, 0.1776,
0.1128

■ 6.8514, 0.1510,
0.0637

■ 18.5606, 0.1951,
0.1425

■ 25.1258, 0.2151,
0.1755

■ 33.4050, 0.2361,
0.2093

■ 43.5073, 0.2567,
0.2422

■ 55.5324, 0.2762,
0.2728

■ 69.5731, 0.2941,
0.3005

■ 85.7159, 0.3101,
0.3250

■ 99.1929, 0.3202,
0.3415

Harmonies

Analogous

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



10.0742, 0.0777, 0.0772



10.0742, 0.1639, 0.0886



10.0742, 0.3502, 0.1312

Triad

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



10.0742, 0.1639, 0.0886



10.0742, 0.6302, 0.3698



10.0742, 0.0611, 0.4162

Complementary

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



10.0742, 0.1639, 0.0886



74.0947, 0.4250, 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.



10.0742, 0.1491, 0.7679



10.0742, 0.1639, 0.0886



10.0742, 0.4726, 0.5274

Square

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



10.0742, 0.1639, 0.0886



10.0742, 0.7086, 0.2767



10.0742, 0.2874, 0.7126



10.0742, 0.0366, 0.1708

Rectangle

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



10.0742, 0.1639, 0.0886



10.0742, 0.5254, 0.1778



10.0742, 0.2874, 0.7126



10.0742, 0.0828, 0.5522

Sweetspot

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



10.0743, 0.1639, 0.0886



57.8262, 0.2700, 0.2631



69.5284, 0.2340, 0.3501



11.3573, 0.2631, 0.2523



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.



10.0743, 0.1639, 0.0886



7.9009, 0.1518, 0.0650



12.7000, 0.2076, 0.1029



15.4194, 0.2979, 0.3064



3.7525, 0.1513, 0.0648



0.3780, 0.1547, 0.0767

Inverse Universe

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



21.0070, 0.5851, 0.3207



21.4361, 0.6310, 0.3262



71.1358, 0.3548, 0.5413



15.7781, 0.3282, 0.3273



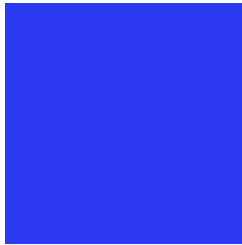
10.1722, 0.6319, 0.3255



0.8529, 0.6122, 0.3146

Previews

White Background



This preview shows how the Yxy color 10.0742, 0.1639, 0.0886 looks on a white background.

Color Contrast Check

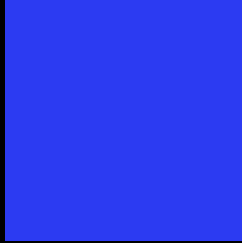
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0742, 0.1639, 0.0886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

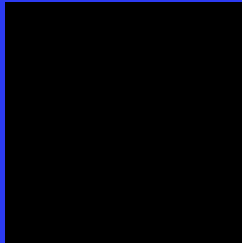
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0742, 0.1639, 0.0886

Background



This preview shows how black text looks on a background with the Yxy color 10.0742, 0.1639, 0.0886.



This preview shows how white text looks on a background with the Yxy color 10.0742, 0.1639, 0.0886.

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

10.0742, 0.1639, 0.0886

Protanopia

9.7517, 0.1750, 0.1499

Deuteranopia

9.7821, 0.1868, 0.1926



Tritanopia

9.7348, 0.2200, 0.3119

Trichromacy



Original Color

10.0742, 0.1639, 0.0886

Protanomaly

9.5433, 0.1682, 0.1193

Deuteranomaly

9.2049, 0.1730, 0.1353

Tritanomaly

8.7839, 0.1851, 0.1764

Monochromacy



Original Color

10.0742, 0.1639, 0.0886

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.1238, 0.2171, 0.1780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0742, 0.1639, 0.0886 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(44, 59, 242)` looks like.

```
.text, #text, p{  
    color:rgb(44, 59, 242)  
}
```

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(44, 59, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 59, 242) }
```

Border

The CSS property to change the border of an element to Yxy 10.0742, 0.1639, 0.0886 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(44, 59, 242) }
```

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

```
.border{ border-color:rgb(44, 59, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 59, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 59, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 59, 242);  
box-shadow:4px 4px 4px 4px rgb(44, 59,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0742, 0.1639, 0.0886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 59, 242) }
```

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

```
.background{ background-color: rgb(44, 59,  
242) }
```

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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