

Converting Colors

$Yxy(16.5433, 0.1801, 0.1336)$

Have a look what the booklet for
Yxy(16.5433, 0.1801, 0.1336)
contains.

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Color

Yxy(16.6189, 0.1802, 0.1337)

Conversions

Conversions Part 1

Format	Color
Hex	3C65F1
RGB	60, 101, 241
RGB Percent	24%, 40%, 95%
CMY	0.7647, 0.6040, 0.0547
CMYK	0.75, 0.58, 0.00, 0.05
HSL	226°, 87%, 59%
HSV	226°, 75%, 95%
XYZ	22.3988, 16.6189, 85.2822
YIQ	104.7010, -69.3760, 34.8480

Conversions

Conversions Part 2

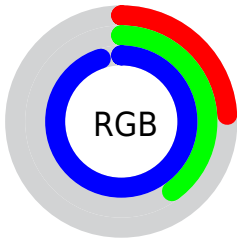
Format	Color
R _{YB}	60, 93, 241
Decimal	3958257
CIE Lab	47.78, 33.94, -74.40
CIE LCh	48, 81.776, 294.523
Yxy	16.6189, 0.1802, 0.1337
Android (android.graphics.Color)	4282148337 (0xFF3C65F1)
YUV	104.7010, 67.1954, -39.2028
Hunter-Lab	40.7663, 26.7350, -95.4970

Details

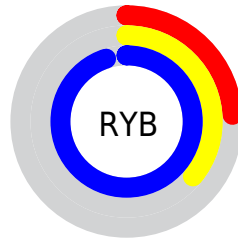
The Yxy color **16.6189, 0.1802, 0.1337** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **60.3664, 0.4409, 0.4607**, and the grayscale version is **13.8703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2588, 0.2245, 0.1991**, and **6.1931, 0.1610, 0.0995** is the 20% darker color. If you saturate the color by 10%, you get **12.8131, 0.1677, 0.1094**, and if you desaturate by 10%, it is **21.5884, 0.1959, 0.1613**.

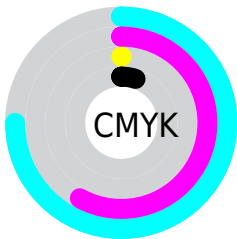
Distribution



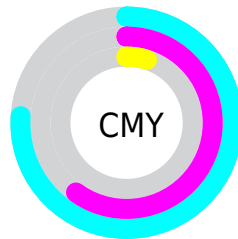
- Red (24%)
- Green (40%)
- Blue (95%)



- Red (24%)
- Yellow (36%)
- Blue (95%)



- Cyan (75%)
- Magenta (58%)
- Yellow (0%)
- Black (5%)





- Cyan (76%)
- Magenta (60%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6189, 0.1802, 0.1337 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 16.6189, 0.1802, 0.1337 by changing the saturation by 10% instead.


 16.6189, 0.1802,
0.1337


 16.6189, 0.1802,
0.1337


232.9665, 0.2515,
0.2277


 9.9632, 0.1626,
0.1135


 37.6694, 0.2063,
0.1658


 5.3745, 0.1408,
0.0902


 52.8329, 0.2162,
0.1786

 2.4686, 0.1139,
0.0639


 71.6011, 0.2244,
0.1896

 0.8609, 0.0814,
0.0363

 94.3584, 0.2315,
0.1993

 0.0000, 0.0442,
0.0000

121.4892, 0.2375,
0.2077

 0.0000, 0.0000,
0.0000

153.3779, 0.2428,

0.2152

190.4089, 0.2474,
0.2218

■ 16.6189, 0.1802,
0.1337

■ 16.6189, 0.1802,
0.1337

■ 12.8131, 0.1677,
0.1094

■ 21.5884, 0.1959,
0.1613

■ 10.0629, 0.1591,
0.0897

■ 27.8124, 0.2138,
0.1905

■ 9.0464, 0.1561,
0.0820

■ 35.3737, 0.2329,
0.2197

■ 44.3469, 0.2522,
0.2479

■ 54.8011, 0.2709,
0.2741

■ 66.8009, 0.2886,
0.2979

■ 80.4066, 0.3049,
0.3191

■ 95.6755, 0.3198,
0.3378

■ 99.1336, 0.3208,
0.3424

Harmonies

Analogous

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



16.6189, 0.1145, 0.1314



16.6189, 0.1802, 0.1337



16.6189, 0.3028, 0.1662

Triad

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



16.6189, 0.1802, 0.1337



16.6189, 0.5896, 0.3847



16.6189, 0.1504, 0.4536

Complementary

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



16.6189, 0.1802, 0.1337



60.3664, 0.4409, 0.4607

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.



16.6189, 0.2563, 0.6198



16.6189, 0.1802, 0.1337



16.6189, 0.5073, 0.4907

Square

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



16.6189, 0.1802, 0.1337



16.6189, 0.5892, 0.3021



16.6189, 0.3825, 0.5975



16.6189, 0.0968, 0.2625

Rectangle

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



16.6189, 0.1802, 0.1337



16.6189, 0.4133, 0.2041



16.6189, 0.3825, 0.5975



16.6189, 0.1810, 0.5247

Sweetspot

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



16.6193, 0.1802, 0.1337



64.9137, 0.2746, 0.2791



68.0127, 0.2473, 0.3856



12.9025, 0.2680, 0.2701



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.



16.6193, 0.1802, 0.1337



12.8064, 0.1628, 0.0986



12.7898, 0.1960, 0.1057



15.8093, 0.2980, 0.3102



5.0698, 0.1568, 0.0844



0.5668, 0.1634, 0.1081

Inverse Universe

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



22.8792, 0.5178, 0.2943



22.5193, 0.5753, 0.3016



74.5708, 0.3750, 0.5157



15.8175, 0.3258, 0.3237



10.3051, 0.6000, 0.3079



0.8719, 0.5638, 0.2879

Previews

White Background



This preview shows how the Yxy color 16.6189, 0.1802, 0.1337 looks on a white background.

Color Contrast Check

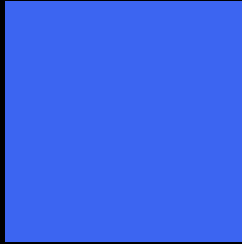
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6189, 0.1802, 0.1337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

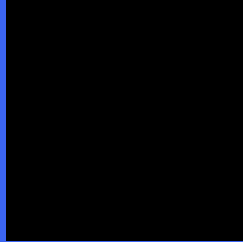
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6189, 0.1802, 0.1337

Background



This preview shows how black text looks on a background with the Yxy color 16.6189, 0.1802, 0.1337.



This preview shows how white text looks on a background with the Yxy color 16.6189, 0.1802, 0.1337.

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

16.6189, 0.1802, 0.1337

Protanopia

16.4383, 0.1737, 0.1454

Deuteranopia

16.3387, 0.1847, 0.1849



Tritanopia

16.3607, 0.2196, 0.3106

Trichromacy



Original Color

16.6189, 0.1802, 0.1337

Protanomaly

16.2142, 0.1739, 0.1394

Deuteranomaly

16.1775, 0.1804, 0.1618

Tritanomaly

15.6399, 0.1976, 0.2204

Monochromacy



Original Color

16.6189, 0.1802, 0.1337

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.3576, 0.2411, 0.2323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6189, 0.1802, 0.1337 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(60, 101, 241)` looks like.

```
.text, #text, p{  
    color:rgb(60, 101, 241)  
}
```

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(60, 101, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 101, 241) }
```

Border

The CSS property to change the border of an element to Yxy 16.6189, 0.1802, 0.1337 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(60, 101, 241) }
```

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

```
.border{ border-color:rgb(60, 101, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 101, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 101, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 101, 241);  
box-shadow:4px 4px 4px 4px rgb(60, 101,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6189, 0.1802, 0.1337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 101, 241) }
```

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

```
.background{ background-color: rgb(60, 101,  
241) }
```

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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