

Converting Colors

$Y_{xy}(12.5136, 0.1801, 0.1333)$

Have a look what the booklet for
Yxy(12.5136, 0.1801, 0.1333)
contains.

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Color

Yxy(12.5136, 0.1801, 0.1333)

Conversions

Conversions Part 1

Format	Color
Hex	3458D5
RGB	52, 88, 213
RGB Percent	20%, 35%, 84%
CMY	0.7967, 0.6548, 0.1648
CMYK	0.76, 0.59, 0.00, 0.16
HSL	227°, 66%, 52%
HSV	227°, 76%, 84%
XYZ	16.9070, 12.5136, 64.4549
YIQ	91.4860, -61.5810, 31.2430

Conversions

Conversions Part 2

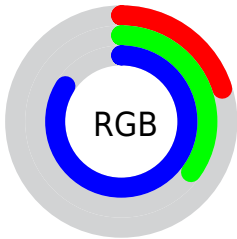
Format	Color
R _Y B	52, 81, 213
Decimal	3430613
CIE Lab	42.02, 31.11, -67.89
CIE LCh	42, 74.681, 294.616
Yxy	12.5136, 0.1801, 0.1333
Android (android.graphics.Color)	4281620693 (0xFF3458D5)
YUV	91.4860, 59.9064, -34.6292
Hunter-Lab	35.3746, 23.4071, -83.2683

Details

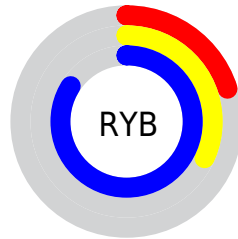
The Yxy color **12.5136, 0.1801, 0.1333** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **45.7489, 0.4407, 0.4610**, and the grayscale version is **10.4433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1763, 0.2147, 0.1796**, and **4.2357, 0.1604, 0.0972** is the 20% darker color. If you saturate the color by 10%, you get **9.6600, 0.1677, 0.1091**, and if you desaturate by 10%, it is **16.2365, 0.1957, 0.1607**.

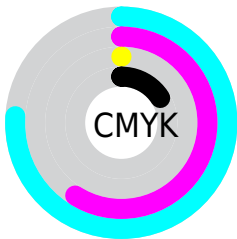
Distribution



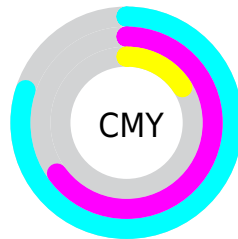
- Red (20%)
- Green (35%)
- Blue (84%)



- Red (20%)
- Yellow (32%)
- Blue (84%)



- Cyan (76%)
- Magenta (59%)
- Yellow (0%)
- Black (16%)





- Cyan (80%)
- Magenta (65%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5136, 0.1801, 0.1333 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 12.5136, 0.1801, 0.1333 by changing the saturation by 10% instead.


 12.5136, 0.1801,
0.1333

 12.5136, 0.1801,
0.1333


207.7764, 0.2546,
0.2322


 7.0945, 0.1605,
0.1110


 30.4271, 0.2083,
0.1681


 3.5213, 0.1358,
0.0848

 43.6903, 0.2187,
0.1816


 1.4095, 0.1048,
0.0554

 60.3370, 0.2273,
0.1932

 0.2237, 0.0680,
0.0155

 80.7516, 0.2345,
0.2032

 0.0000, 0.0000,
0.0000

 105.3184, 0.2407,
0.2119

134.4219, 0.2460,

0.2196

168.4464, 0.2506,
0.2263

■ 12.5136, 0.1801,
0.1333

■ 12.5136, 0.1801,
0.1333

■ 9.6600, 0.1677,
0.1091

■ 16.2365, 0.1957,
0.1607

■ 7.5953, 0.1591,
0.0896

■ 20.8961, 0.2135,
0.1897

■ 6.9023, 0.1563,
0.0826

■ 26.5541, 0.2325,
0.2189

■ 33.2660, 0.2516,
0.2469

■ 41.0834, 0.2702,
0.2730

■ 50.0541, 0.2879,
0.2968

■ 60.2232, 0.3041,
0.3181

■ 71.6333, 0.3190,
0.3369

■ 84.3249, 0.3324,
0.3533

Harmonies

Analogous

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



12.5136, 0.1142, 0.1309



12.5136, 0.1801, 0.1333



12.5136, 0.3032, 0.1659

Triad

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



12.5136, 0.1801, 0.1333



12.5136, 0.5903, 0.3849



12.5136, 0.1495, 0.4534

Complementary

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



12.5136, 0.1801, 0.1333



45.7489, 0.4407, 0.4610

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.



12.5136, 0.2555, 0.6208



12.5136, 0.1801, 0.1333



12.5136, 0.5080, 0.4920

Square

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



12.5136, 0.1801, 0.1333



12.5136, 0.5903, 0.3021



12.5136, 0.3836, 0.6011



12.5136, 0.0962, 0.2617

Rectangle

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



12.5136, 0.1801, 0.1333



12.5136, 0.4141, 0.2040



12.5136, 0.3836, 0.6011



12.5136, 0.1802, 0.5250

Sweetspot

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



12.5139, 0.1801, 0.1333



64.8598, 0.2746, 0.2790



51.4096, 0.2473, 0.3856



12.8897, 0.2680, 0.2699



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.



12.5139, 0.1801, 0.1333



12.4421, 0.1618, 0.0962



9.6686, 0.1960, 0.1057



12.4566, 0.2982, 0.3104



4.3444, 0.1569, 0.0848



0.3883, 0.1660, 0.1176

Inverse Universe

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



17.2897, 0.5183, 0.2946



22.3796, 0.5792, 0.3027



56.3668, 0.3749, 0.5157



12.4660, 0.3256, 0.3238



8.7834, 0.5994, 0.3076



0.5425, 0.5500, 0.2804

Previews

White Background



This preview shows how the Yxy color 12.5136, 0.1801, 0.1333 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 12.5136, 0.1801, 0.1333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

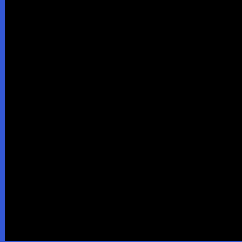
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5136, 0.1801, 0.1333

Background



This preview shows how black text looks on a background with the Yxy color 12.5136, 0.1801, 0.1333.



This preview shows how white text looks on a background with the Yxy color 12.5136, 0.1801, 0.1333.

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

12.5136, 0.1801, 0.1333

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.3245, 0.1854, 0.1873



Tritanopia

12.2216, 0.2190, 0.3084

Trichromacy



Original Color

12.5136, 0.1801, 0.1333

Protanomaly

12.2005, 0.1745, 0.1408

Deuteranomaly

12.1350, 0.1807, 0.1621

Tritanomaly

11.7128, 0.1972, 0.2181

Monochromacy



Original Color

12.5136, 0.1801, 0.1333

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.6394, 0.2405, 0.2307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5136, 0.1801, 0.1333 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(52, 88, 213)` looks like.

```
.text, #text, p{  
    color:rgb(52, 88, 213)  
}
```

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(52, 88, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 88, 213) }
```

Border

The CSS property to change the border of an element to Yxy 12.5136, 0.1801, 0.1333 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(52, 88, 213) }
```

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

```
.border{ border-color:rgb(52, 88, 213) }
```

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

Here you see how a box with a 4 pixel rgb(52, 88, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 88, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 88, 213);  
box-shadow:4px 4px 4px 4px rgb(52, 88,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5136, 0.1801, 0.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 88, 213) }
```

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

```
.background{ background-color: rgb(52, 88,  
213) }
```

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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