

Converting Colors

$Y_{xy}(11.5877, 0.2032, 0.1732)$

Have a look what the booklet for
Yxy(11.5877, 0.2032, 0.1732)
contains.

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Color

Yxy(11.5266, 0.2033, 0.1730)

Conversions

Conversions Part 1

Format	Color
Hex	425AAE
RGB	66, 90, 174
RGB Percent	26%, 35%, 68%
CMY	0.7410, 0.6471, 0.3176
CMYK	0.62, 0.48, 0.00, 0.32
HSL	227°, 45%, 47%
HSV	227°, 62%, 68%
XYZ	13.5454, 11.5266, 41.5557
YIQ	92.4000, -41.2680, 21.0360

Conversions

Conversions Part 2

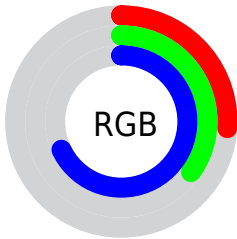
Format	Color
RYB	66, 86, 174
Decimal	4348590
CIELab	40.45, 17.83, -47.74
CIELCh	40, 50.962, 290.485
Yxy	11.5266, 0.2033, 0.1730
Android (android.graphics.Color)	4282538670 (0xFF425AAE)
YUV	92.4000, 40.2288, -23.1528
Hunter-Lab	33.9508, 11.8024, -48.8052

Details

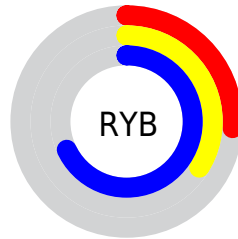
The Yxy color **11.5266, 0.2033, 0.1730** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **31.2262, 0.4180, 0.4447**, and the grayscale version is **10.7147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6803, 0.2286, 0.2060**, and **3.2572, 0.1680, 0.1246** is the 20% darker color. If you saturate the color by 10%, you get **8.9314, 0.1868, 0.1450**, and if you desaturate by 10%, it is **14.7226, 0.2215, 0.2019**.

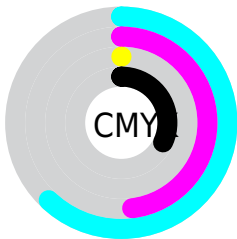
Distribution



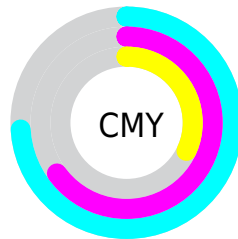
- Red (26%)
- Green (35%)
- Blue (68%)



- Red (26%)
- Yellow (34%)
- Blue (68%)



- Cyan (62%)
- Magenta (48%)
- Yellow (0%)
- Black (32%)



- Cyan (74%)
- Magenta (65%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.5266, 0.2033, 0.1730 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 11.5266, 0.2033, 0.1730 by changing the saturation by 10% instead.

■ 11.5266, 0.2033,
0.1730

■ 11.5266, 0.2033,
0.1730

■ 201.2456, 0.2674,
0.2588

■ 6.4222, 0.1845,
0.1503

■ 28.6299, 0.2288,
0.2055

■ 3.1035, 0.1592,
0.1213

■ 41.3976, 0.2378,
0.2174

■ 1.1860, 0.1245,
0.0847

■ 57.4886, 0.2450,
0.2273

■ 0.0502, 0.0739,
0.0077

■ 77.2871, 0.2511,
0.2356

■ 0.0000, 0.0000,
0.0000

■ 101.1777, 0.2562,
0.2427

129.5447, 0.2605,

0.2488

162.7725, 0.2642,
0.2541

■ 11.5266, 0.2033,
0.1730

■ 11.5266, 0.2033,
0.1730

■ 8.9314, 0.1868,
0.1450

■ 14.7226, 0.2215,
0.2019

■ 6.8961, 0.1730,
0.1195

■ 18.5543, 0.2404,
0.2304

■ 5.3756, 0.1626,
0.0979

■ 23.0551, 0.2592,
0.2575

■ 4.4799, 0.1567,
0.0840

■ 28.2558, 0.2773,
0.2825

■ 34.1851, 0.2942,
0.3051

■ 40.8700, 0.3097,
0.3252

■ 48.3363, 0.3238,
0.3429

■ 56.6084, 0.3366,
0.3584

■ 65.7098, 0.3480,
0.3719

Harmonies

Analogous

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



11.5266, 0.1513, 0.1769



11.5266, 0.2033, 0.1730



11.5266, 0.2938, 0.1973

Triad

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



11.5266, 0.2033, 0.1730



11.5266, 0.5292, 0.3826



11.5266, 0.2060, 0.4339

Complementary

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



11.5266, 0.2033, 0.1730



31.2262, 0.4180, 0.4447

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.



11.5266, 0.2975, 0.5310



11.5266, 0.2033, 0.1730



11.5266, 0.4838, 0.4596

Square

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



11.5266, 0.2033, 0.1730



11.5266, 0.5052, 0.3106



11.5266, 0.3980, 0.5262



11.5266, 0.1497, 0.3033

Rectangle

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



11.5266, 0.2033, 0.1730



11.5266, 0.3711, 0.2274



11.5266, 0.3980, 0.5262



11.5266, 0.2337, 0.4755

Sweetspot

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



11.5270, 0.2033, 0.1730



54.0257, 0.2820, 0.2888



33.5967, 0.2532, 0.3732



11.3670, 0.2771, 0.2822



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.5270, 0.2033, 0.1730



14.8842, 0.1819, 0.1363



9.3832, 0.2207, 0.1448



8.0346, 0.2986, 0.3108



3.3244, 0.1572, 0.0857



0.1721, 0.1728, 0.1421

Inverse Universe

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



13.6396, 0.4613, 0.2960



20.3005, 0.5136, 0.2949



36.7059, 0.3696, 0.4873



8.0434, 0.3253, 0.3240



6.6386, 0.5979, 0.3067



0.1927, 0.5163, 0.2618

Previews

White Background



This preview shows how the Yxy color 11.5266, 0.2033, 0.1730 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 11.5266, 0.2033, 0.1730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

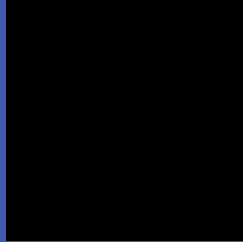
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5266, 0.2033, 0.1730

Background



This preview shows how black text looks on a background with the Yxy color 11.5266, 0.2033, 0.1730.



This preview shows how white text looks on a background with the Yxy color 11.5266, 0.2033, 0.1730.

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

11.5266, 0.2033, 0.1730

Protanopia

11.4927, 0.1941, 0.1712

Deuteranopia

11.4897, 0.1838, 0.1817



Tritanopia

11.4502, 0.2303, 0.3057

Trichromacy



Original Color

11.5266, 0.2033, 0.1730

Protanomaly

11.4181, 0.1968, 0.1714

Deuteranomaly

11.1782, 0.1860, 0.1758

Tritanomaly

11.2538, 0.2176, 0.2458

Monochromacy



Original Color

11.5266, 0.2033, 0.1730

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7263, 0.2610, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5266, 0.2033, 0.1730 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(66, 90, 174)` looks like.

```
.text, #text, p{  
    color:rgb(66, 90, 174)  
}
```

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(66, 90, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 90, 174) }
```

Border

The CSS property to change the border of an element to Yxy 11.5266, 0.2033, 0.1730 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(66, 90, 174) }
```

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

```
.border{ border-color:rgb(66, 90, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 90, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 90, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 90, 174);  
box-shadow:4px 4px 4px 4px rgb(66, 90,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5266, 0.2033, 0.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 90, 174) }
```

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

```
.background{ background-color: rgb(66, 90,  
174) }
```

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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