

Converting Colors

$Y_{xy}(30.5373, 0.2357, 0.2134)$

Have a look what the booklet for
Yxy(30.5373, 0.2357, 0.2134)
contains.

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Color

Yxy(30.5652, 0.2356, 0.2133)

Conversions

Conversions Part 1

Format	Color
Hex	8490E6
RGB	132, 144, 230
RGB Percent	52%, 56%, 90%
CMY	0.4826, 0.4352, 0.0981
CMYK	0.43, 0.37, 0.00, 0.10
HSL	233°, 66%, 71%
HSV	233°, 43%, 90%
XYZ	33.7607, 30.5652, 78.9708
YIQ	150.2160, -34.7580, 24.2020

Conversions

Conversions Part 2

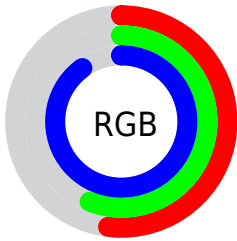
Format	Color
R_{YB}	132, 143, 230
Decimal	8687846
CIE _{Lab}	62.14, 17.30, -44.97
CIE _{LCh}	62, 48.183, 291.037
Yxy	30.5652, 0.2356, 0.2133
Android (android.graphics.Color)	4286877926 (0xFF8490E6)
YUV	150.2160, 39.3335, -15.9754
Hunter-Lab	55.2858, 12.2523, -45.9904

Details

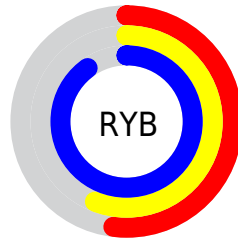
The Yxy color **30.5652, 0.2356, 0.2133** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.5656, 0.3813, 0.4228**, and the grayscale version is **30.4324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4270, 0.2687, 0.2651**, and **12.5979, 0.2122, 0.1828** is the 20% darker color. If you saturate the color by 10%, you get **23.3407, 0.2153, 0.1809**, and if you desaturate by 10%, it is **39.2910, 0.2558, 0.2446**.

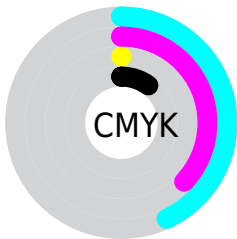
Distribution



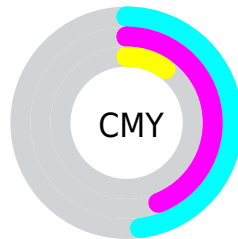
- Red (52%)
- Green (56%)
- Blue (90%)



- Red (52%)
- Yellow (56%)
- Blue (90%)



- Cyan (43%)
- Magenta (37%)
- Yellow (0%)
- Black (10%)





- Cyan (48%)
- Magenta (44%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5652, 0.2356, 0.2133 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 30.5652, 0.2356, 0.2133 by changing the saturation by 10% instead.


 30.5652, 0.2356,
0.2133


 30.5652, 0.2356,
0.2133


304.5302, 0.2758,
0.2704

 20.2680, 0.2254,
0.1997


 60.5549, 0.2504,
0.2336

 12.5900, 0.2122,
0.1828


 81.0161, 0.2560,
0.2414

 7.1468, 0.1949,
0.1613


 105.6342, 0.2606,
0.2480

 3.5541, 0.1715,
0.1337

134.7934, 0.2646,
0.2538

 1.4274, 0.1389,
0.0980

168.8782, 0.2680,
0.2587

 0.2368, 0.0936,
0.0342

208.2730, 0.2709,

 0.0000, 0.0000,

0.2631

0.0000

253.3622, 0.2735,
0.2669

■ 30.5652, 0.2356,
0.2133

■ 30.5652, 0.2356,
0.2133

■ 23.3407, 0.2153,
0.1809

■ 39.2910, 0.2558,
0.2446

■ 17.5290, 0.1959,
0.1491

■ 49.5931, 0.2750,
0.2737

■ 13.0372, 0.1788,
0.1198

■ 61.5456, 0.2927,
0.3000

■ 9.7600, 0.1653,
0.0952

■ 75.2168, 0.3088,
0.3233

■ 7.5751, 0.1562,
0.0769

■ 90.6711, 0.3231,
0.3438

■ 6.5611, 0.1522,
0.0679

■ 98.4923, 0.3274,
0.3532

Harmonies

Analogous

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



30.5652, 0.1937, 0.2180



30.5652, 0.2356, 0.2133



30.5652, 0.3029, 0.2323

Triad

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



30.5652, 0.2356, 0.2133



30.5652, 0.4661, 0.3787



30.5652, 0.2389, 0.3971

Complementary

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



30.5652, 0.2356, 0.2133



68.5656, 0.3813, 0.4228

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.



30.5652, 0.3069, 0.4599



30.5652, 0.2356, 0.2133



30.5652, 0.4396, 0.4329

Square

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



30.5652, 0.2356, 0.2133



30.5652, 0.4458, 0.3220



30.5652, 0.3804, 0.4687



30.5652, 0.1943, 0.3142

Rectangle

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



30.5652, 0.2356, 0.2133



30.5652, 0.3561, 0.2561



30.5652, 0.3804, 0.4687



30.5652, 0.2597, 0.4226

Sweetspot

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



30.5663, 0.2356, 0.2133



77.0867, 0.2920, 0.2989



66.4892, 0.2613, 0.3453



15.7469, 0.2882, 0.2933



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.



30.5663, 0.2356, 0.2133



30.6262, 0.2180, 0.1853



30.5059, 0.2614, 0.2063



14.1723, 0.2980, 0.3077



3.8095, 0.1526, 0.0694



0.3757, 0.1581, 0.0892

Inverse Universe

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



35.3168, 0.4098, 0.3153



37.8377, 0.4415, 0.3130



69.7217, 0.3489, 0.4446



14.3968, 0.3273, 0.3261



9.5823, 0.6242, 0.3212



0.7176, 0.5924, 0.3037

Previews

White Background



This preview shows how the Yxy color 30.5652, 0.2356, 0.2133 looks on a white background.

Color Contrast Check

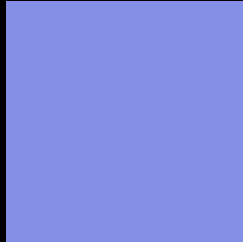
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.5652, 0.2356, 0.2133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

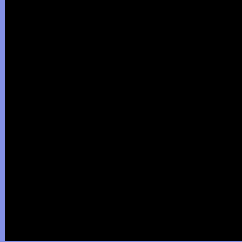
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5652, 0.2356, 0.2133

Background



This preview shows how black text looks on a background with the Yxy color 30.5652, 0.2356, 0.2133.



This preview shows how white text looks on a background with the Yxy color 30.5652, 0.2356, 0.2133.

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

30.5652, 0.2356, 0.2133

Protanopia

30.6726, 0.2263, 0.2120

Deuteranopia

30.5315, 0.2241, 0.2176



Tritanopia

30.6915, 0.2664, 0.3095

Trichromacy



Original Color

30.5652, 0.2356, 0.2133

Protanomaly

30.6690, 0.2297, 0.2125

Deuteranomaly

30.4465, 0.2284, 0.2160

Tritanomaly

30.3556, 0.2544, 0.2695

Monochromacy



Original Color

30.5652, 0.2356, 0.2133

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2741, 0.2803, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5652, 0.2356, 0.2133 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(132, 144, 230)` looks like.

```
.text, #text, p{  
    color:rgb(132, 144, 230)  
}
```

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(132, 144, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 144, 230) }
```

Border

The CSS property to change the border of an element to Yxy 30.5652, 0.2356, 0.2133 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(132, 144, 230) }
```

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

```
.border{ border-color:rgb(132, 144, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 144, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 144, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 144, 230);  
box-shadow:4px 4px 4px 4px rgb(132, 144,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5652, 0.2356, 0.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 144, 230) }
```

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

```
.background{ background-color: rgb(132,  
144, 230) }
```

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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