

Converting Colors

$Y_{xy}(30.7464, 0.2291, 0.2089)$

Have a look what the booklet for
Yxy(30.7464, 0.2291, 0.2089)
contains.

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Color

Yxy(30.6846, 0.2292, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	7E91EB
RGB	126, 145, 235
RGB Percent	49%, 57%, 92%
CMY	0.5057, 0.4314, 0.0784
CMYK	0.46, 0.38, 0.00, 0.08
HSL	230°, 73%, 71%
HSV	230°, 46%, 92%
XYZ	33.7310, 30.6846, 82.7528
YIQ	149.5790, -40.2140, 23.9620

Conversions

Conversions Part 2

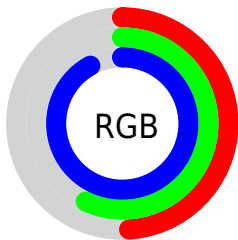
Format	Color
R _Y B	126, 142, 235
Decimal	8294891
CIE Lab	62.24, 16.75, -47.62
CIE LCh	62, 50.481, 289.383
Yxy	30.6846, 0.2292, 0.2085
Android (android.graphics.Color)	4286484971 (0xFF7E91EB)
YUV	149.5790, 42.1126, -20.6788
Hunter-Lab	55.3937, 11.7554, -49.7979

Details

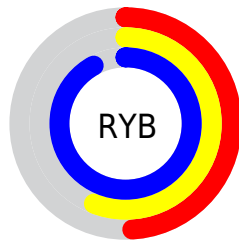
The Yxy color **30.6846, 0.2292, 0.2085** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.3198, 0.3899, 0.4255**, and the grayscale version is **30.1469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1341, 0.2650, 0.2656**, and **12.6680, 0.2041, 0.1769** is the 20% darker color. If you saturate the color by 10%, you get **23.6686, 0.2096, 0.1775**, and if you desaturate by 10%, it is **39.1363, 0.2490, 0.2387**.

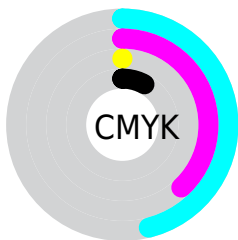
Distribution



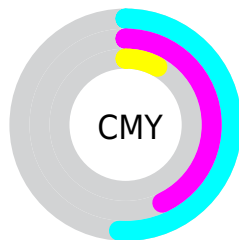
- Red (49%)
- Green (57%)
- Blue (92%)



- Red (49%)
- Yellow (56%)
- Blue (92%)



- Cyan (46%)
- Magenta (38%)
- Yellow (0%)
- Black (8%)





- Cyan (51%)
- Magenta (43%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6846, 0.2292, 0.2085 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 30.6846, 0.2292, 0.2085 by changing the saturation by 10% instead.


 30.6846, 0.2292,
0.2085


 30.6846, 0.2292,
0.2085


305.0826, 0.2725,
0.2677


 20.3588, 0.2183,
0.1945


 60.7432, 0.2451,
0.2295

 12.6561, 0.2045,
0.1772


 81.2447, 0.2510,
0.2375

 7.1922, 0.1864,
0.1554


 105.9070, 0.2560,
0.2444

 3.5826, 0.1622,
0.1277

135.1143, 0.2603,
0.2504

 1.4429, 0.1293,
0.0924

169.2512, 0.2639,
0.2555

 0.2480, 0.0846,
0.0325

208.7019, 0.2672,

 0.0000, 0.0000,

0.2601

0.0000

253.8509, 0.2700,
0.2641

■ 30.6846, 0.2292,
0.2085

■ 30.6846, 0.2292,
0.2085

■ 23.6686, 0.2096,
0.1775

■ 39.1363, 0.2490,
0.2387

■ 18.0038, 0.1914,
0.1473

■ 49.0954, 0.2683,
0.2669

■ 13.6014, 0.1757,
0.1195

■ 60.6323, 0.2864,
0.2927

■ 10.3600, 0.1637,
0.0962

■ 73.8123, 0.3030,
0.3158

■ 8.1608, 0.1559,
0.0787

■ 88.6969, 0.3180,
0.3361

■ 7.5751, 0.1539,
0.0738

■ 98.7790, 0.3244,
0.3483

Harmonies

Analogous

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



30.6846, 0.1875, 0.2146



30.6846, 0.2292, 0.2085



30.6846, 0.2979, 0.2269

Triad

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



30.6846, 0.2292, 0.2085



30.6846, 0.4730, 0.3765



30.6846, 0.2389, 0.4051

Complementary

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



30.6846, 0.2292, 0.2085



68.3198, 0.3899, 0.4255

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.



30.6846, 0.3103, 0.4688



30.6846, 0.2292, 0.2085



30.6846, 0.4471, 0.4336

Square

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



30.6846, 0.2292, 0.2085



30.6846, 0.4493, 0.3181



30.6846, 0.3865, 0.4738



30.6846, 0.1912, 0.3176

Rectangle

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



30.6846, 0.2292, 0.2085



30.6846, 0.3533, 0.2508



30.6846, 0.3865, 0.4738



30.6846, 0.2608, 0.4316

Sweetspot

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



30.6857, 0.2292, 0.2085



76.4514, 0.2903, 0.2983



68.7724, 0.2604, 0.3540



15.6631, 0.2866, 0.2931



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.



30.6857, 0.2292, 0.2085



28.5767, 0.2098, 0.1779



28.4628, 0.2510, 0.1927



14.9722, 0.2980, 0.3089



4.3433, 0.1544, 0.0758



0.4642, 0.1608, 0.0987

Inverse Universe

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



34.6419, 0.4164, 0.3080



34.6994, 0.4527, 0.3046



73.2820, 0.3554, 0.4535



15.0968, 0.3266, 0.3249



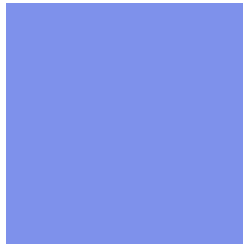
9.9313, 0.6138, 0.3155



0.7923, 0.5779, 0.2957

Previews

White Background



This preview shows how the Yxy color 30.6846, 0.2292, 0.2085 looks on a white background.

Color Contrast Check

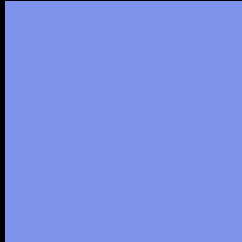
Large Text (above 18pt) WCAG AA × Fail

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 30.6846, 0.2292, 0.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

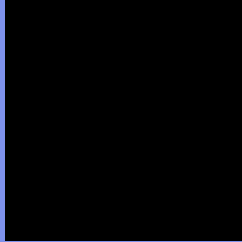
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6846, 0.2292, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 30.6846, 0.2292, 0.2085.



This preview shows how white text looks on a background with the Yxy color 30.6846, 0.2292, 0.2085.

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

30.6846, 0.2292, 0.2085

Protanopia

30.6949, 0.2226, 0.2075

Deuteranopia

30.8174, 0.2192, 0.2131



Tritanopia

30.5821, 0.2591, 0.3076

Trichromacy



Original Color

30.6846, 0.2292, 0.2085

Protanomaly

30.6070, 0.2252, 0.2078

Deuteranomaly

30.6310, 0.2225, 0.2113

Tritanomaly

30.3223, 0.2475, 0.2662

Monochromacy



Original Color

30.6846, 0.2292, 0.2085

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.1787, 0.2768, 0.2793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6846, 0.2292, 0.2085 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(126, 145, 235)` looks like.

```
.text, #text, p{  
    color:rgb(126, 145, 235)  
}
```

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(126, 145, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 145, 235) }
```

Border

The CSS property to change the border of an element to Yxy 30.6846, 0.2292, 0.2085 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(126, 145, 235) }
```

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

```
.border{ border-color:rgb(126, 145, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 145, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 145, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 145, 235);  
box-shadow:4px 4px 4px 4px rgb(126, 145,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6846, 0.2292, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 145, 235) }
```

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

```
.background{ background-color: rgb(126,  
145, 235) }
```

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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