

Converting Colors

$Y_{xy}(30.8312, 0.2287, 0.2135)$

Have a look what the booklet for
Yxy(30.8312, 0.2287, 0.2135)
contains.

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Color

Yxy(30.8312, 0.2287, 0.2135)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7A93E8 |
| RGB | 122, 147, 232 |
| RGB Percent | 48%, 58%, 91% |
| CMY | 0.5215, 0.4235, 0.0902 |
| CMYK | 0.47, 0.37, 0.00, 0.09 |
| HSL | 226°, 71%, 69% |
| HSV | 226°, 47%, 91% |
| XYZ | 33.0262, 30.8312, 80.5510 |
| YIQ | 149.2150, -42.1850, 21.1350 |

Conversions

Conversions Part 2

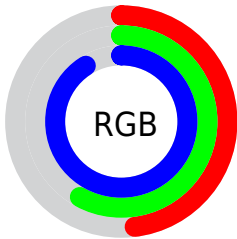
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 122, 142, 232 |
| Decimal | 8033256 |
| CIELab | 62.36, 13.74, -45.77 |
| CIElCh | 62, 47.789, 286.703 |
| Yxy | 30.8312, 0.2287, 0.2135 |
| Android (android.graphics.Color) | 4286223336 (0xFF7A93E8) |
| YUV | 149.2150, 40.8130, -23.8676 |
| Hunter-Lab | 55.5258, 8.9997, -47.1436 |

Details

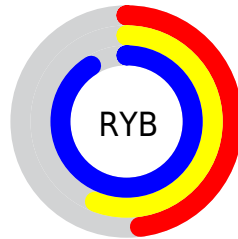
The Yxy color **30.8312, 0.2287, 0.2135** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.1940, 0.3946, 0.4218**, and the grayscale version is **29.9903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5770, 0.2627, 0.2675**, and **12.7740, 0.2038, 0.1830** is the 20% darker color. If you saturate the color by 10%, you get **24.1874, 0.2098, 0.1842**, and if you desaturate by 10%, it is **38.7505, 0.2480, 0.2419**.

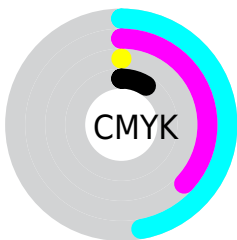
Distribution



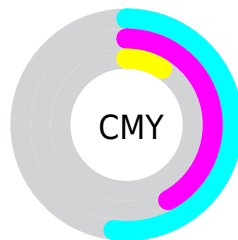
- Red (48%)
- Green (58%)
- Blue (91%)



- Red (48%)
- Yellow (56%)
- Blue (91%)



- Cyan (47%)
- Magenta (37%)
- Yellow (0%)
- Black (9%)



- Cyan (52%)
- Magenta (42%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8312, 0.2287, 0.2135 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 30.8312, 0.2287, 0.2135 by changing the saturation by 10% instead.

■ 30.8312, 0.2287,
0.2135

■ 30.8312, 0.2287,
0.2135

305.7599, 0.2721,
0.2706

■ 20.4703, 0.2178,
0.1999

■ 60.9742, 0.2446,
0.2339

■ 12.7374, 0.2039,
0.1829

■ 81.5252, 0.2506,
0.2417

■ 7.2480, 0.1857,
0.1614

■ 106.2416, 0.2556,
0.2483

■ 3.6177, 0.1614,
0.1337

135.5079, 0.2599,
0.2540

■ 1.4621, 0.1281,
0.0980

169.7085, 0.2636,
0.2590

■ 0.2618, 0.0815,
0.0365

209.2278, 0.2668,

■ 0.0000, 0.0000,

0.2634

0.0000

254.4501, 0.2696,
0.2672

■ 30.8312, 0.2287,
0.2135

■ 30.8312, 0.2287,
0.2135

■ 24.1874, 0.2098,
0.1842

■ 38.7505, 0.2480,
0.2419

■ 18.7464, 0.1923,
0.1553

■ 48.0059, 0.2668,
0.2685

■ 14.4328, 0.1773,
0.1284

■ 58.6579, 0.2847,
0.2928

■ 11.1606, 0.1656,
0.1050

■ 70.7623, 0.3013,
0.3145

■ 8.8258, 0.1578,
0.0864

■ 84.3717, 0.3165,
0.3338

■ 8.3446, 0.1562,
0.0824

■ 98.3380, 0.3262,
0.3509

■ 98.6060, 0.3262,
0.3513

Harmonies

Analogous

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



30.8312, 0.1910, 0.2220



30.8312, 0.2287, 0.2135



30.8312, 0.2922, 0.2291

Triad

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



30.8312, 0.2287, 0.2135



30.8312, 0.4646, 0.3703



30.8312, 0.2484, 0.4076

Complementary

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



30.8312, 0.2287, 0.2135



63.1940, 0.3946, 0.4218

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.



30.8312, 0.3177, 0.4631



30.8312, 0.2287, 0.2135



30.8312, 0.4446, 0.4249

Square

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



30.8312, 0.2287, 0.2135



30.8312, 0.4375, 0.3144



30.8312, 0.3896, 0.4643



30.8312, 0.2000, 0.3257

Rectangle

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



30.8312, 0.2287, 0.2135



30.8312, 0.3442, 0.2510



30.8312, 0.3896, 0.4643



30.8312, 0.2700, 0.4312

Sweetspot

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



30.8323, 0.2287, 0.2135



77.4889, 0.2904, 0.3003



66.3227, 0.2623, 0.3619



15.9129, 0.2867, 0.2954



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.



30.8323, 0.2287, 0.2135



30.0572, 0.2100, 0.1845



26.3622, 0.2448, 0.1879



14.4156, 0.2980, 0.3103



4.7891, 0.1569, 0.0848



0.4920, 0.1644, 0.1117

Inverse Universe

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



33.1855, 0.4126, 0.3009



34.3095, 0.4467, 0.2964



71.7669, 0.3603, 0.4544



14.4213, 0.3257, 0.3237



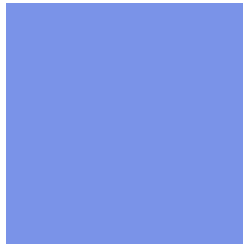
9.6812, 0.5994, 0.3075



0.7293, 0.5586, 0.2851

Previews

White Background



This preview shows how the Yxy color 30.8312, 0.2287, 0.2135 looks on a white background.

Color Contrast Check

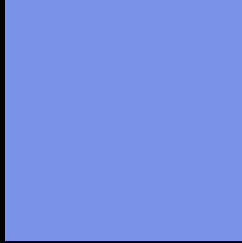
Large Text (above 18pt) WCAG AA × Fail

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 30.8312, 0.2287, 0.2135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

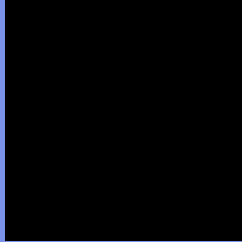
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8312, 0.2287, 0.2135

Background



This preview shows how black text looks on a background with the Yxy color 30.8312, 0.2287, 0.2135.



This preview shows how white text looks on a background with the Yxy color 30.8312, 0.2287, 0.2135.

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

30.8312, 0.2287, 0.2135

Protanopia

30.9991, 0.2277, 0.2145

Deuteranopia

30.8972, 0.2228, 0.2167



Tritanopia

30.7179, 0.2558, 0.3075

Trichromacy



Original Color

30.8312, 0.2287, 0.2135

Protanomaly

31.0710, 0.2283, 0.2147

Deuteranomaly

30.8418, 0.2248, 0.2160

Tritanomaly

30.7172, 0.2453, 0.2689

Monochromacy



Original Color

30.8312, 0.2287, 0.2135

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.9234, 0.2767, 0.2818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8312, 0.2287, 0.2135 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(122, 147, 232)` looks like.

```
.text, #text, p{  
    color:rgb(122, 147, 232)  
}
```

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(122, 147, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 147, 232) }
```

Border

The CSS property to change the border of an element to Yxy 30.8312, 0.2287, 0.2135 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(122, 147, 232) }
```

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

```
.border{ border-color:rgb(122, 147, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 147, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 147, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 147, 232);  
box-shadow:4px 4px 4px 4px rgb(122, 147,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8312, 0.2287, 0.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 147, 232) }
```

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

```
.background{ background-color: rgb(122,  
147, 232) }
```

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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