

Converting Colors

$Y_{xy}(27.8124, 0.2338, 0.2300)$

Have a look what the booklet for
Yxy(27.8124, 0.2338, 0.2300)
contains.

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Color

Yxy(27.8088, 0.2337, 0.2300)

Conversions

Conversions Part 1

Format	Color
Hex	718FD2
RGB	113, 143, 210
RGB Percent	44%, 56%, 82%
CMY	0.5572, 0.4391, 0.1765
CMYK	0.46, 0.32, 0.00, 0.18
HSL	221°, 52%, 63%
HSV	221°, 46%, 82%
XYZ	28.2562, 27.8088, 64.8429
YIQ	141.6680, -39.3870, 14.4770

Conversions

Conversions Part 2

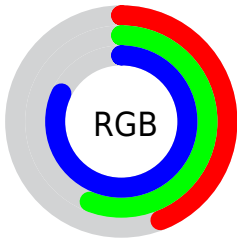
Format	Color
R_{YB}	113, 136, 210
Decimal	7442386
CIE Lab	59.72, 7.34, -37.72
CIE LCh	60, 38.430, 281.017
Yxy	27.8088, 0.2337, 0.2300
Android (android.graphics.Color)	4285632466 (0xFF718FD2)
YUV	141.6680, 33.6877, -25.1418
Hunter-Lab	52.7340, 3.3600, -35.9904

Details

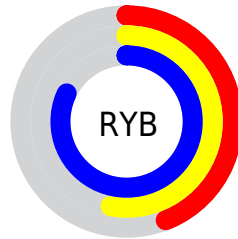
The Yxy color **27.8088, 0.2337, 0.2300** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.4870, 0.3963, 0.4105**, and the grayscale version is **26.7836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5875, 0.2560, 0.2617**, and **11.0651, 0.2090, 0.2007** is the 20% darker color. If you saturate the color by 10%, you get **22.5024, 0.2159, 0.2039**, and if you desaturate by 10%, it is **34.0011, 0.2519, 0.2550**.

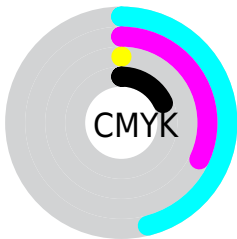
Distribution



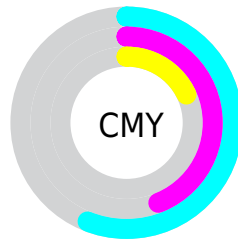
- Red (44%)
- Green (56%)
- Blue (82%)



- Red (44%)
- Yellow (53%)
- Blue (82%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)
- Black (18%)





- Cyan (56%)
- Magenta (44%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8088, 0.2337, 0.2300 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 27.8088, 0.2337, 0.2300 by changing the saturation by 10% instead.


 27.8088, 0.2337,
0.2300


 27.8088, 0.2337,
0.2300


291.5522, 0.2753,
0.2809


 18.1816, 0.2229,
0.2172


 56.1790, 0.2492,
0.2487

 11.0804, 0.2088,
0.2007


 75.6908, 0.2549,
0.2557

 6.1210, 0.1901,
0.1792


 99.2663, 0.2597,
0.2615

 2.9188, 0.1642,
0.1502

127.2898, 0.2638,
0.2666

 1.0895, 0.1272,
0.1104

160.1457, 0.2673,
0.2709

 0.0000, 0.0387,
0.0000

198.2185, 0.2703,

 0.0000, 0.0000,

0.2747

0.0000

241.8925, 0.2730,
0.2780

■ 27.8088, 0.2337,
0.2300

■ 27.8088, 0.2337,
0.2300

■ 22.5024, 0.2159,
0.2039

■ 34.0011, 0.2519,
0.2550

■ 18.0350, 0.1992,
0.1774

■ 41.1168, 0.2699,
0.2782

■ 14.3594, 0.1845,
0.1517

■ 49.1948, 0.2871,
0.2993

■ 11.4216, 0.1726,
0.1281

■ 58.2709, 0.3032,
0.3183

■ 9.1581, 0.1640,
0.1076

■ 68.3787, 0.3182,
0.3351

■ 8.4470, 0.1613,
0.1007

■ 79.5505, 0.3320,
0.3499

■ 90.8732, 0.3411,
0.3632

■ 97.4326, 0.3394,
0.3731

Harmonies

Analogous

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



27.8088, 0.2052, 0.2427



27.8088, 0.2337, 0.2300



27.8088, 0.2846, 0.2395

Triad

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



27.8088, 0.2337, 0.2300



27.8088, 0.4384, 0.3573



27.8088, 0.2698, 0.4045

Complementary

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



27.8088, 0.2337, 0.2300



47.4870, 0.3963, 0.4105

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.



27.8088, 0.3305, 0.4426



27.8088, 0.2337, 0.2300



27.8088, 0.4302, 0.4044

Square

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



27.8088, 0.2337, 0.2300



27.8088, 0.4079, 0.3091



27.8088, 0.3895, 0.4388



27.8088, 0.2236, 0.3401

Rectangle

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



27.8088, 0.2337, 0.2300



27.8088, 0.3271, 0.2564



27.8088, 0.3895, 0.4388



27.8088, 0.2892, 0.4216

Sweetspot

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



27.8098, 0.2337, 0.2300



79.1270, 0.2905, 0.3034



52.8576, 0.2679, 0.3726



16.3082, 0.2869, 0.2991



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.



27.8098, 0.2337, 0.2300



35.3848, 0.2169, 0.2055



21.2479, 0.2402, 0.1901



12.0072, 0.2982, 0.3125



5.3115, 0.1620, 0.1033



0.4378, 0.1724, 0.1408

Inverse Universe

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



27.4764, 0.3972, 0.2916



35.9415, 0.4247, 0.2851



58.5094, 0.3658, 0.4477



11.8678, 0.3242, 0.3218



8.6075, 0.5709, 0.2919



0.4955, 0.5181, 0.2628

Previews

White Background



This preview shows how the Yxy color 27.8088, 0.2337, 0.2300 looks on a white background.

Color Contrast Check

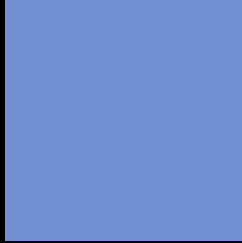
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.8088, 0.2337, 0.2300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

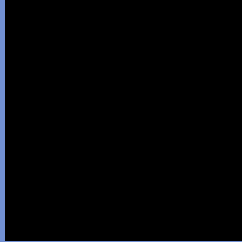
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

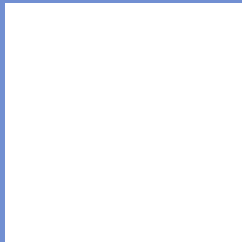
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8088, 0.2337, 0.2300

Background



This preview shows how black text looks on a background with the Yxy color 27.8088, 0.2337, 0.2300.



This preview shows how white text looks on a background with the Yxy color 27.8088, 0.2337, 0.2300.

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

27.8088, 0.2337, 0.2300

Protanopia

27.6688, 0.2400, 0.2306

Deuteranopia

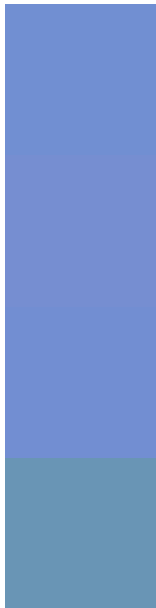
27.6440, 0.2348, 0.2288



Tritanopia

27.8461, 0.2567, 0.3084

Trichromacy



Original Color

27.8088, 0.2337, 0.2300

Protanomaly

27.8010, 0.2375, 0.2305

Deuteranomaly

27.5766, 0.2342, 0.2286

Tritanomaly

27.8343, 0.2478, 0.2769

Monochromacy



Original Color

27.8088, 0.2337, 0.2300

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.9613, 0.2786, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8088, 0.2337, 0.2300 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(113, 143, 210)` looks like.

```
.text, #text, p{  
    color:rgb(113, 143, 210)  
}
```

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(113, 143, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 143, 210) }
```

Border

The CSS property to change the border of an element to Yxy 27.8088, 0.2337, 0.2300 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(113, 143, 210) }
```

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

```
.border{ border-color:rgb(113, 143, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 143, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 143, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 143, 210);  
box-shadow:4px 4px 4px 4px rgb(113, 143,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8088, 0.2337, 0.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 143, 210) }
```

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

```
.background{ background-color: rgb(113,  
143, 210) }
```

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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