

Converting Colors

$Yxy(30.0182, 0.2280, 0.2228)$

Have a look what the booklet for
Yxy(30.0182, 0.2280, 0.2228)
contains.

Yxy(30.0182, 0.2280, 0.2228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.0182, 0.2280, 0.2228)

Conversions

Conversions Part 1

Format	Color
Hex	7194DF
RGB	113, 148, 223
RGB Percent	44%, 58%, 87%
CMY	0.5569, 0.4196, 0.1254
CMYK	0.49, 0.34, 0.00, 0.13
HSL	221°, 63%, 66%
HSV	221°, 49%, 87%
XYZ	30.7188, 30.0182, 73.9946
YIQ	146.0850, -44.9350, 15.9050

Conversions

Conversions Part 2

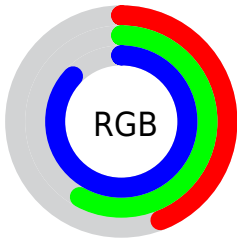
Format	Color
R _Y B	113, 140, 223
Decimal	7443679
CIE Lab	61.67, 8.35, -41.92
CIE LCh	62, 42.746, 281.259
Yxy	30.0182, 0.2280, 0.2228
Android (android.graphics.Color)	4285633759 (0xFF7194DF)
YUV	146.0850, 37.9191, -29.0155
Hunter-Lab	54.7889, 4.2002, -41.7213

Details

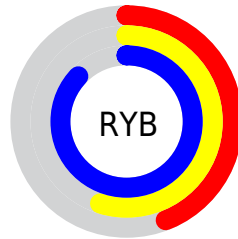
The Yxy color **30.0182, 0.2280, 0.2228** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **52.8467, 0.4036, 0.4150**, and the grayscale version is **28.6365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0071, 0.2574, 0.2678**, and **12.3097, 0.2028, 0.1941** is the 20% darker color. If you saturate the color by 10%, you get **24.2570, 0.2105, 0.1966**, and if you desaturate by 10%, it is **36.7714, 0.2461, 0.2480**.

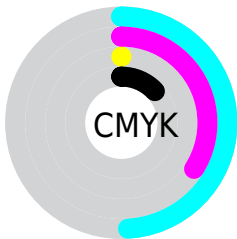
Distribution



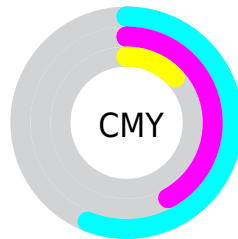
- Red (44%)
- Green (58%)
- Blue (87%)



- Red (44%)
- Yellow (55%)
- Blue (87%)



- Cyan (49%)
- Magenta (34%)
- Yellow (0%)
- Black (13%)




- Cyan (56%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0182, 0.2280, 0.2228 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 30.0182, 0.2280, 0.2228 by changing the saturation by 10% instead.

 30.0182, 0.2280,
0.2228


 30.0182, 0.2280,
0.2228


301.9893, 0.2719,
0.2764


 19.8524, 0.2169,
0.2097


 59.6910, 0.2441,
0.2422

 12.2878, 0.2027,
0.1931

 79.9667, 0.2501,
0.2495

 6.9400, 0.1840,
0.1718


 104.3812, 0.2552,
0.2557

 3.4246, 0.1588,
0.1438

133.3189, 0.2595,
0.2610

 1.3572, 0.1241,
0.1066

167.1642, 0.2633,
0.2656

 0.1849, 0.0663,
0.0323

206.3014, 0.2665,

 0.0000, 0.0000,

0.2697

0.0000

251.1150, 0.2694,
0.2732

■ 30.0182, 0.2280,
0.2228

■ 30.0182, 0.2280,
0.2228

■ 24.2570, 0.2105,
0.1966

■ 36.7714, 0.2461,
0.2480

■ 19.4332, 0.1944,
0.1705

■ 44.5607, 0.2642,
0.2716

■ 15.4912, 0.1806,
0.1454

■ 53.4311, 0.2817,
0.2933

■ 12.3669, 0.1698,
0.1227

■ 63.4239, 0.2983,
0.3128

■ 9.9707, 0.1622,
0.1033

■ 74.5781, 0.3137,
0.3301

■ 9.8315, 0.1617,
0.1021

■ 86.9309, 0.3279,
0.3453

■ 97.7451, 0.3316,
0.3596

■ 98.1083, 0.3315,
0.3601

Harmonies

Analogous

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



30.0182, 0.1976, 0.2357



30.0182, 0.2280, 0.2228



30.0182, 0.2826, 0.2333

Triad

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



30.0182, 0.2280, 0.2228



30.0182, 0.4490, 0.3588



30.0182, 0.2654, 0.4111

Complementary

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



30.0182, 0.2280, 0.2228



52.8467, 0.4036, 0.4150

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.



30.0182, 0.3306, 0.4529



30.0182, 0.2280, 0.2228



30.0182, 0.4391, 0.4095

Square

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



30.0182, 0.2280, 0.2228



30.0182, 0.4164, 0.3075



30.0182, 0.3944, 0.4476



30.0182, 0.2163, 0.3400

Rectangle

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



30.0182, 0.2280, 0.2228



30.0182, 0.3285, 0.2514



30.0182, 0.3944, 0.4476



30.0182, 0.2862, 0.4299

Sweetspot

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



30.0193, 0.2280, 0.2228



77.9295, 0.2888, 0.3018



59.8510, 0.2666, 0.3790



16.0776, 0.2853, 0.2976



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.



30.0193, 0.2280, 0.2228



32.7928, 0.2103, 0.1964



21.9874, 0.2325, 0.1785



13.9517, 0.2981, 0.3126



5.9606, 0.1624, 0.1047



0.5707, 0.1710, 0.1356

Inverse Universe

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



29.6358, 0.4052, 0.2881



33.5529, 0.4361, 0.2816



66.9063, 0.3704, 0.4551



13.7721, 0.3242, 0.3216



9.5098, 0.5688, 0.2907



0.6751, 0.5250, 0.2666

Previews

White Background



This preview shows how the Yxy color 30.0182, 0.2280, 0.2228 looks on a white background.

Color Contrast Check

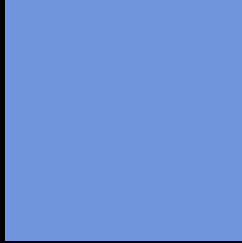
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0182, 0.2280, 0.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

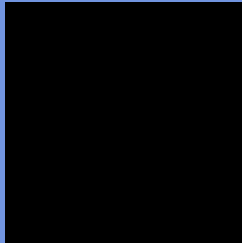
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

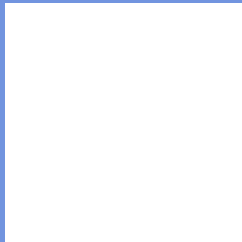
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0182, 0.2280, 0.2228

Background



This preview shows how black text looks on a background with the Yxy color 30.0182, 0.2280, 0.2228.



This preview shows how white text looks on a background with the Yxy color 30.0182, 0.2280, 0.2228.

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

30.0182, 0.2280, 0.2228

Protanopia

29.9892, 0.2350, 0.2238

Deuteranopia

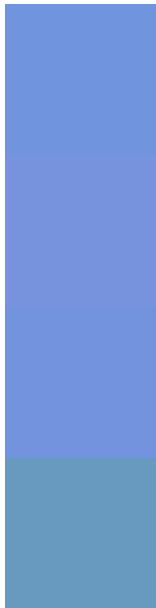
30.0849, 0.2286, 0.2230



Tritanopia

29.9354, 0.2515, 0.3072

Trichromacy



Original Color

30.0182, 0.2280, 0.2228

Protanomaly

30.0633, 0.2321, 0.2234

Deuteranomaly

30.0849, 0.2286, 0.2230

Tritanomaly

29.7125, 0.2421, 0.2721

Monochromacy



Original Color

30.0182, 0.2280, 0.2228

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.9918, 0.2761, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0182, 0.2280, 0.2228 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, 148, 223)` looks like.

```
.text, #text, p{  
    color:rgb(113, 148, 223)  
}
```

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, 148, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 148, 223) }
```

Border

The CSS property to change the border of an element to Yxy 30.0182, 0.2280, 0.2228 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, 148, 223) }
```

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

```
.border{ border-color:rgb(113, 148, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 148, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 148, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 148, 223);  
box-shadow:4px 4px 4px 4px rgb(113, 148,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0182, 0.2280, 0.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 148, 223) }
```

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

```
.background{ background-color: rgb(113,  
148, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor