

Converting Colors

$Y_{xy}(28.5131, 0.2255, 0.2292)$

Have a look what the booklet for
Yxy(28.5131, 0.2255, 0.2292)
contains.

Yxy(28.5473, 0.2258, 0.2298)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5473, 0.2258, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	6693D6
RGB	102, 147, 214
RGB Percent	40%, 58%, 84%
CMY	0.5998, 0.4235, 0.1609
CMYK	0.52, 0.31, 0.00, 0.16
HSL	216°, 58%, 62%
HSV	216°, 52%, 84%
XYZ	28.0504, 28.5473, 67.6290
YIQ	141.1830, -48.3270, 11.2970

Conversions

Conversions Part 2

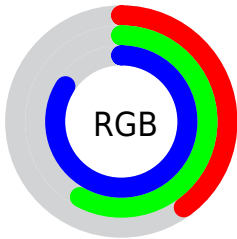
Format	Color
R _Y B	102, 134, 214
Decimal	6722518
CIE Lab	60.38, 3.67, -38.95
CIE LCh	60, 39.125, 275.379
Yxy	28.5473, 0.2258, 0.2298
Android (android.graphics.Color)	4284912598 (0xFF6693D6)
YUV	141.1830, 35.8988, -34.3635
Hunter-Lab	53.4297, 0.2100, -37.6460

Details

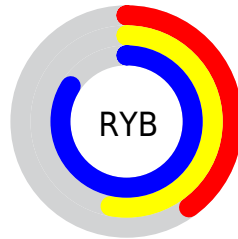
The Yxy color **28.5473, 0.2258, 0.2298** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.6299, 0.4157, 0.4093**, and the grayscale version is **26.5856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3642, 0.2508, 0.2655**, and **11.5240, 0.1995, 0.2008** is the 20% darker color. If you saturate the color by 10%, you get **23.6924, 0.2098, 0.2067**, and if you desaturate by 10%, it is **34.1700, 0.2428, 0.2521**.

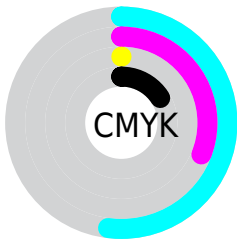
Distribution



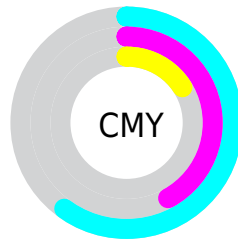
- Red (40%)
- Green (58%)
- Blue (84%)



- Red (40%)
- Yellow (53%)
- Blue (84%)



- Cyan (52%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (60%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5473, 0.2258, 0.2298 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 28.5473, 0.2258, 0.2298 by changing the saturation by 10% instead.

■ 28.5473, 0.2258,
0.2298

■ 28.5473, 0.2258,
0.2298

■ 295.0730, 0.2711,
0.2809

■ 18.7386, 0.2142,
0.2169

■ 57.3571, 0.2425,
0.2485

■ 11.4816, 0.1994,
0.2005

■ 77.1269, 0.2487,
0.2555

■ 6.3917, 0.1797,
0.1791

■ 100.9860, 0.2539,
0.2614

■ 3.0847, 0.1530,
0.1502

■ 129.3186, 0.2584,
0.2664

■ 1.1761, 0.1160,
0.1110

■ 162.5093, 0.2622,
0.2708

■ 0.0421, 0.0301,
0.0098

■ 200.9423, 0.2656,

■ 0.0000, 0.0000,

0.2746

0.0000

245.0020, 0.2685,
0.2779

■ 28.5473, 0.2258,
0.2298

■ 28.5473, 0.2258,
0.2298

■ 23.6924, 0.2098,
0.2067

■ 34.1700, 0.2428,
0.2521

■ 19.5624, 0.1953,
0.1834

■ 40.5937, 0.2600,
0.2731

■ 16.1139, 0.1831,
0.1608

■ 47.8535, 0.2771,
0.2924

■ 13.2959, 0.1737,
0.1398

■ 55.9808, 0.2936,
0.3100

■ 11.5014, 0.1681,
0.1251

■ 65.0056, 0.3092,
0.3256

■ 74.9562, 0.3239,
0.3395

■ 85.8595, 0.3375,
0.3518

■ 94.1218, 0.3378,
0.3639

■ 97.6335, 0.3370,
0.3691

Harmonies

Analogous

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



28.5473, 0.2017, 0.2471



28.5473, 0.2258, 0.2298



28.5473, 0.2732, 0.2354

Triad

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



28.5473, 0.2258, 0.2298



28.5473, 0.4367, 0.3481



28.5473, 0.2802, 0.4155

Complementary

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



28.5473, 0.2258, 0.2298



43.6299, 0.4157, 0.4093

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.



28.5473, 0.3424, 0.4462



28.5473, 0.2258, 0.2298



28.5473, 0.4356, 0.3965

Square

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



28.5473, 0.2258, 0.2298



28.5473, 0.3992, 0.3003



28.5473, 0.3997, 0.4349



28.5473, 0.2299, 0.3529

Rectangle

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



28.5473, 0.2258, 0.2298



28.5473, 0.3147, 0.2503



28.5473, 0.3997, 0.4349



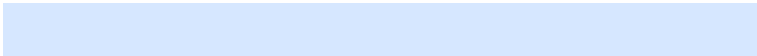
28.5473, 0.3004, 0.4304

Sweetspot

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



28.5483, 0.2258, 0.2298



78.4685, 0.2873, 0.3034



53.7069, 0.2698, 0.3967



16.2569, 0.2839, 0.2998



0.0000, 0.0000, 0.0000



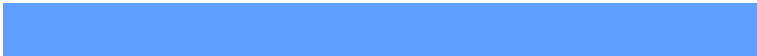
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5483, 0.2258, 0.2298



34.3744, 0.2078, 0.2036



17.7670, 0.2194, 0.1660



12.8194, 0.2982, 0.3147



7.1455, 0.1688, 0.1278



0.5908, 0.1784, 0.1623

Inverse Universe

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



25.9084, 0.4004, 0.2748



31.8270, 0.4311, 0.2663



61.9659, 0.3807, 0.4580



12.5027, 0.3229, 0.3197



9.0662, 0.5357, 0.2725



0.5630, 0.4901, 0.2474

Previews

White Background



This preview shows how the Yxy color 28.5473, 0.2258, 0.2298 looks on a white background.

Color Contrast Check

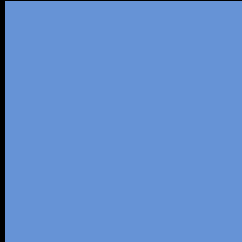
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5473, 0.2258, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

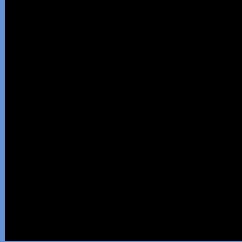
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

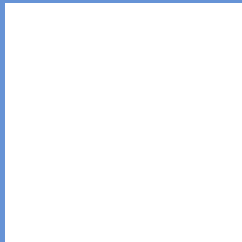
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5473, 0.2258, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 28.5473, 0.2258, 0.2298.

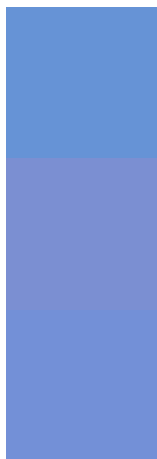


This preview shows how white text looks on a background with the Yxy color 28.5473, 0.2258, 0.2298.

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

28.5473, 0.2258, 0.2298

Protanopia

28.5090, 0.2408, 0.2317

Deuteranopia

28.4977, 0.2325, 0.2261



Tritanopia

28.5825, 0.2458, 0.3082

Trichromacy



Original Color

28.5473, 0.2258, 0.2298

Protanomaly

28.2945, 0.2348, 0.2307

Deuteranomaly

28.4721, 0.2295, 0.2268

Tritanomaly

28.5606, 0.2379, 0.2766

Monochromacy



Original Color

28.5473, 0.2258, 0.2298

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.9841, 0.2742, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5473, 0.2258, 0.2298 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(102, 147, 214)` looks like.

```
.text, #text, p{  
    color:rgb(102, 147, 214)  
}
```

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(102, 147, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 147, 214) }
```

Border

The CSS property to change the border of an element to Yxy 28.5473, 0.2258, 0.2298 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(102, 147, 214) }
```

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

```
.border{ border-color:rgb(102, 147, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 147, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 147, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 147, 214);  
box-shadow:4px 4px 4px 4px rgb(102, 147,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5473, 0.2258, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 147, 214) }
```

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

```
.background{ background-color: rgb(102,  
147, 214) }
```

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