

Converting Colors

$Y_{xy}(27.5224, 0.2262, 0.2242)$

Have a look what the booklet for
Yxy(27.5224, 0.2262, 0.2242)
contains.

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Color

Yxy(27.5032, 0.2264, 0.2241)

Conversions

Conversions Part 1

Format	Color
Hex	698FD6
RGB	105, 143, 214
RGB Percent	41%, 56%, 84%
CMY	0.5881, 0.4392, 0.1609
CMYK	0.51, 0.33, 0.00, 0.16
HSL	219°, 57%, 63%
HSV	219°, 51%, 84%
XYZ	27.7855, 27.5032, 67.4387
YIQ	139.7320, -45.4390, 14.0250

Conversions

Conversions Part 2

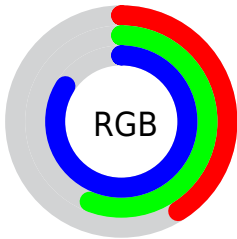
Format	Color
R _Y B	105, 133, 214
Decimal	6918102
CIE Lab	59.44, 6.68, -40.42
CIE LCh	59, 40.967, 279.385
Yxy	27.5032, 0.2264, 0.2241
Android (android.graphics.Color)	4285108182 (0xFF698FD6)
YUV	139.7320, 36.6141, -30.4600
Hunter-Lab	52.4435, 2.7963, -39.5324

Details

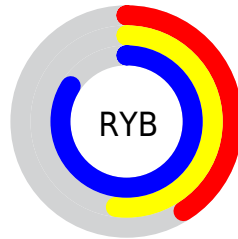
The Yxy color **27.5032, 0.2264, 0.2241** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.3657, 0.4086, 0.4137**, and the grayscale version is **25.9885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3812, 0.2516, 0.2597**, and **10.8898, 0.1994, 0.1929** is the 20% darker color. If you saturate the color by 10%, you get **22.4382, 0.2095, 0.1990**, and if you desaturate by 10%, it is **33.4163, 0.2441, 0.2483**.

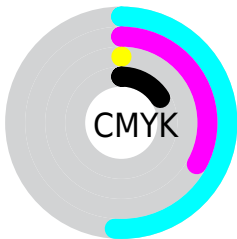
Distribution



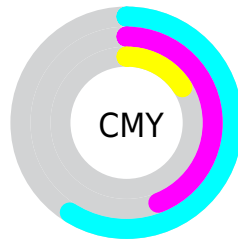
- Red (41%)
- Green (56%)
- Blue (84%)



- Red (41%)
- Yellow (52%)
- Blue (84%)



- Cyan (51%)
- Magenta (33%)
- Yellow (0%)
- Black (16%)



- Cyan (59%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5032, 0.2264, 0.2241 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 27.5032, 0.2264, 0.2241 by changing the saturation by 10% instead.

■ 27.5032, 0.2264,
0.2241

■ 27.5032, 0.2264,
0.2241

■ 290.0853, 0.2717,
0.2779

■ 17.9515, 0.2147,
0.2106

■ 55.6903, 0.2432,
0.2438

■ 10.9152, 0.1997,
0.1935

■ 75.0945, 0.2494,
0.2512

■ 6.0098, 0.1798,
0.1711

■ 98.5516, 0.2546,
0.2574

■ 2.8511, 0.1527,
0.1413

■ 126.4461, 0.2591,
0.2627

■ 1.0545, 0.1151,
0.1014

■ 159.1623, 0.2629,
0.2673

■ 0.0000, 0.0247,
0.0000

■ 197.0847, 0.2662,

■ 0.0000, 0.0000,

0.2713

0.0000

240.5975, 0.2691,
0.2748

■ 27.5032, 0.2264,
0.2241

■ 27.5032, 0.2264,
0.2241

■ 22.4382, 0.2095,
0.1990

■ 33.4163, 0.2441,
0.2483

■ 18.1743, 0.1941,
0.1739

■ 40.2148, 0.2619,
0.2710

■ 14.6639, 0.1810,
0.1498

■ 47.9373, 0.2792,
0.2919

■ 11.8515, 0.1708,
0.1278

■ 56.6189, 0.2958,
0.3108


■ 9.8262, 0.1640,
0.1102

■ 66.2929, 0.3114,
0.3276

 76.9908, 0.3258,
0.3424

 88.7427, 0.3390,
0.3555

 97.3292, 0.3370,
0.3687

 97.6333, 0.3370,
0.3691

Harmonies

Analogous

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



27.5032, 0.1978, 0.2385



27.5032, 0.2264, 0.2241



27.5032, 0.2790, 0.2331

Triad

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



27.5032, 0.2264, 0.2241



27.5032, 0.4464, 0.3554



27.5032, 0.2698, 0.4136

Complementary

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



27.5032, 0.2264, 0.2241



46.3657, 0.4086, 0.4137

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.



27.5032, 0.3347, 0.4521



27.5032, 0.2264, 0.2241



27.5032, 0.4393, 0.4058

Square

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



27.5032, 0.2264, 0.2241



27.5032, 0.4118, 0.3048



27.5032, 0.3970, 0.4445



27.5032, 0.2198, 0.3444

Rectangle

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



27.5032, 0.2264, 0.2241



27.5032, 0.3239, 0.2503



27.5032, 0.3970, 0.4445



27.5032, 0.2906, 0.4314

Sweetspot

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



27.5042, 0.2264, 0.2241



78.5712, 0.2889, 0.3030



54.2098, 0.2666, 0.3835



16.2310, 0.2853, 0.2990



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.



27.5042, 0.2264, 0.2241



32.8958, 0.2083, 0.1973



19.0579, 0.2282, 0.1730



12.7094, 0.2982, 0.3134



6.1180, 0.1647, 0.1129



0.5217, 0.1745, 0.1480

Inverse Universe

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



26.3861, 0.4048, 0.2831



32.5908, 0.4364, 0.2759



61.0515, 0.3733, 0.4578



12.4916, 0.3237, 0.3209



8.9625, 0.5569, 0.2841



0.5560, 0.5085, 0.2575

Previews

White Background



This preview shows how the Yxy color 27.5032, 0.2264, 0.2241 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 27.5032, 0.2264, 0.2241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

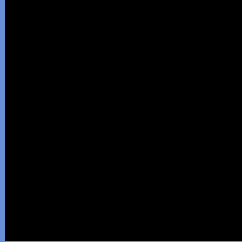
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

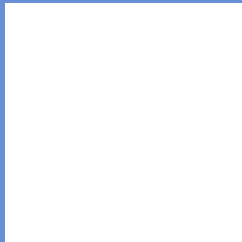
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.5032, 0.2264, 0.2241

Background



This preview shows how black text looks on a background with the Yxy color 27.5032, 0.2264, 0.2241.

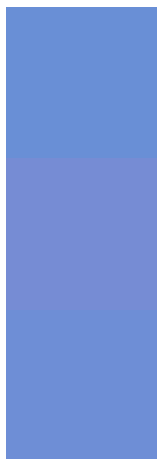


This preview shows how white text looks on a background with the Yxy color 27.5032, 0.2264, 0.2241.

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

27.5032, 0.2264, 0.2241

Protanopia

27.3612, 0.2352, 0.2240

Deuteranopia

27.5160, 0.2292, 0.2233



Tritanopia

27.6229, 0.2487, 0.3080

Trichromacy



Original Color

27.5032, 0.2264, 0.2241

Protanomaly

27.3646, 0.2315, 0.2235

Deuteranomaly

27.3892, 0.2279, 0.2230

Tritanomaly

27.3467, 0.2397, 0.2730

Monochromacy



Original Color

27.5032, 0.2264, 0.2241

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.3518, 0.2747, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5032, 0.2264, 0.2241 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(105, 143, 214)` looks like.

```
.text, #text, p{  
    color:rgb(105, 143, 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(105, 143, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 143, 214) }
```

Border

The CSS property to change the border of an element to Yxy 27.5032, 0.2264, 0.2241 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(105, 143, 214) }
```

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

```
.border{ border-color:rgb(105, 143, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 143, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 143, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 143, 214);  
box-shadow:4px 4px 4px 4px rgb(105, 143,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5032, 0.2264, 0.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 143, 214) }
```

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

```
.background{ background-color: rgb(105,  
143, 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](#).

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