

Converting Colors

$Y_{xy}(29.1552, 0.2144, 0.2248)$

Have a look what the booklet for
Yxy(29.1552, 0.2144, 0.2248)
contains.

Yxy(29.2850, 0.2148, 0.2257)	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(29.2850, 0.2148, 0.2257)

Conversions

Conversions Part 1

Format	Color
Hex	5597DD
RGB	85, 151, 221
RGB Percent	33%, 59%, 87%
CMY	0.6663, 0.4079, 0.1333
CMYK	0.61, 0.32, 0.00, 0.13
HSL	211°, 67%, 60%
HSV	211°, 61%, 87%
XYZ	27.8707, 29.2850, 72.5962
YIQ	139.2460, -61.8060, 7.7780

Conversions

Conversions Part 2

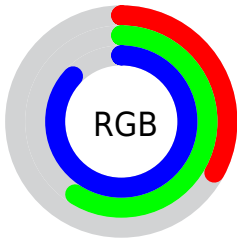
Format	Color
R_{YB}	85, 129, 221
Decimal	5609437
CIE _{Lab}	61.03, 0.14, -41.91
CIE _{LCh}	61, 41.908, 270.197
Yxy	29.2850, 0.2148, 0.2257
Android (android.graphics.Color)	4283799517 (0xFF5597DD)
YUV	139.2460, 40.3047, -47.5737
Hunter-Lab	54.1156, -2.7710, -41.6567

Details

The Yxy color **29.2850, 0.2148, 0.2257** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **39.5113, 0.4469, 0.4087**, and the grayscale version is **25.7866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9024, 0.2440, 0.2693**, and **12.0605, 0.1879, 0.1964** is the 20% darker color. If you saturate the color by 10%, you get **24.9176, 0.2014, 0.2055**, and if you desaturate by 10%, it is **34.3314, 0.2298, 0.2456**.

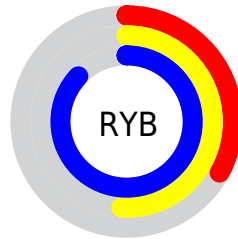
Distribution



Red (33%)

Green (59%)

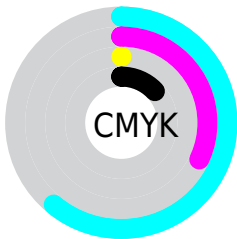
Blue (87%)



Red (33%)

Yellow (51%)

Blue (87%)

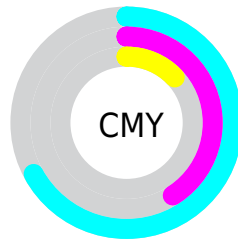


Cyan (61%)

Magenta (32%)

Yellow (0%)

Black (13%)



Cyan (67%)

Magenta (41%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2850, 0.2148, 0.2257 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 29.2850, 0.2148, 0.2257 by changing the saturation by 10% instead.

■ 29.2850, 0.2148,
0.2257

■ 29.2850, 0.2148,
0.2257

■ 298.5573, 0.2651,
0.2787

■ 19.2965, 0.2022,
0.2125

■ 58.5296, 0.2332,
0.2451

■ 11.8847, 0.1863,
0.1957

■ 78.5545, 0.2400,
0.2523

■ 6.6652, 0.1656,
0.1738

■ 102.6937, 0.2459,
0.2585

■ 3.2536, 0.1381,
0.1449

■ 131.3315, 0.2508,
0.2637

■ 1.2655, 0.1014,
0.1062

■ 164.8524, 0.2551,
0.2682

■ 0.1143, 0.0218,
0.0222

■ 203.6407, 0.2589,

■ 0.0000, 0.0000,

0.2722

0.0000

248.0809, 0.2622,
0.2756

■ 29.2850, 0.2148,
0.2257

■ 29.2850, 0.2148,
0.2257

■ 24.9176, 0.2014,
0.2055

■ 34.3314, 0.2298,
0.2456

■ 21.1850, 0.1900,
0.1854

■ 40.0906, 0.2458,
0.2646

■ 18.0405, 0.1811,
0.1662

■ 46.5971, 0.2622,
0.2824

■ 15.7679, 0.1752,
0.1508

■ 53.8819, 0.2787,
0.2988

■ 61.9742, 0.2949,
0.3137

70.9012, 0.3104,
0.3271

80.6889, 0.3252,
0.3390

90.0298, 0.3344,
0.3498

97.0228, 0.3329,
0.3607

Harmonies

Analogous

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



29.2850, 0.1940, 0.2480



29.2850, 0.2148, 0.2257



29.2850, 0.2605, 0.2279

Triad

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



29.2850, 0.2148, 0.2257



29.2850, 0.4403, 0.3396



29.2850, 0.2888, 0.4303

Complementary

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



29.2850, 0.2148, 0.2257



39.5113, 0.4469, 0.4087

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.



29.2850, 0.3549, 0.4546



29.2850, 0.2148, 0.2257



29.2850, 0.4460, 0.3910

Square

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



29.2850, 0.2148, 0.2257



29.2850, 0.3943, 0.2904



29.2850, 0.4130, 0.4351



29.2850, 0.2326, 0.3668

Rectangle

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



29.2850, 0.2148, 0.2257



29.2850, 0.3026, 0.2412



29.2850, 0.4130, 0.4351



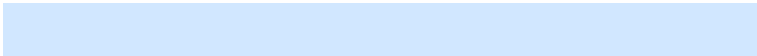
29.2850, 0.3106, 0.4438

Sweetspot

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



29.2860, 0.2148, 0.2257



78.1398, 0.2842, 0.3040



55.9550, 0.2712, 0.4290



16.0447, 0.2794, 0.2995



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.



29.2860, 0.2148, 0.2257



32.7697, 0.1976, 0.1992



13.6681, 0.1934, 0.1318



13.6540, 0.2982, 0.3166



9.3840, 0.1760, 0.1535



0.7800, 0.1844, 0.1837

Inverse Universe

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



24.1191, 0.4084, 0.2548



27.6529, 0.4407, 0.2469



67.7488, 0.3988, 0.4713



13.1562, 0.3216, 0.3177



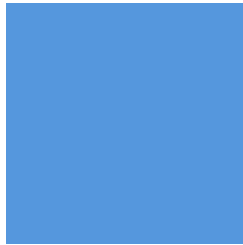
9.5711, 0.5014, 0.2536



0.6374, 0.4642, 0.2331

Previews

White Background



This preview shows how the Yxy color 29.2850, 0.2148, 0.2257 looks on a white background.

Color Contrast Check

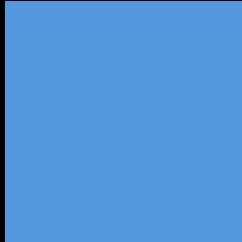
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2850, 0.2148, 0.2257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

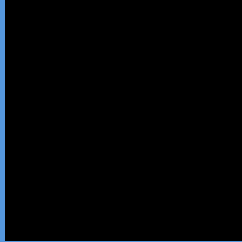
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

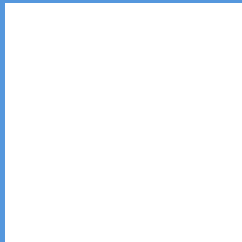
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2850, 0.2148, 0.2257

Background



This preview shows how black text looks on a background with the Yxy color 29.2850, 0.2148, 0.2257.



This preview shows how white text looks on a background with the Yxy color 29.2850, 0.2148, 0.2257.

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

29.2850, 0.2148, 0.2257

Protanopia

29.0638, 0.2380, 0.2275

Deuteranopia

29.1467, 0.2261, 0.2205



Tritanopia

29.1829, 0.2319, 0.3063

Trichromacy



Original Color

29.2850, 0.2148, 0.2257

Protanomaly

29.1284, 0.2284, 0.2274

Deuteranomaly

29.2204, 0.2215, 0.2221

Tritanomaly

29.1337, 0.2251, 0.2746

Monochromacy



Original Color

29.2850, 0.2148, 0.2257

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.4314, 0.2662, 0.2862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2850, 0.2148, 0.2257 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(85, 151, 221)` looks like.

```
.text, #text, p{  
    color:rgb(85, 151, 221)  
}
```

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(85, 151, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 151, 221) }
```

Border

The CSS property to change the border of an element to Yxy 29.2850, 0.2148, 0.2257 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(85, 151, 221) }
```

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

```
.border{ border-color:rgb(85, 151, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 151, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 151, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 151, 221);  
box-shadow:4px 4px 4px 4px rgb(85, 151,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2850, 0.2148, 0.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 151, 221) }
```

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

```
.background{ background-color: rgb(85, 151,  
221) }
```

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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