

Converting Colors

$Y_{xy}(29.2260, 0.2197, 0.2322)$

Have a look what the booklet for
Yxy(29.2260, 0.2197, 0.2322)
contains.

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Color

Yxy(29.2647, 0.2195, 0.2321)

Conversions

Conversions Part 1

Format	Color
Hex	5A97D8
RGB	90, 151, 216
RGB Percent	35%, 59%, 85%
CMY	0.6470, 0.4078, 0.1530
CMYK	0.58, 0.30, 0.00, 0.15
HSL	211°, 62%, 60%
HSV	211°, 58%, 85%
XYZ	27.6760, 29.2647, 69.1459
YIQ	140.1710, -57.2210, 7.2830

Conversions

Conversions Part 2

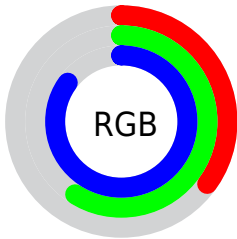
Format	Color
R_{YB}	90, 131, 216
Decimal	5937112
CIE _{Lab}	61.01, -0.55, -39.13
CIE _{LCh}	61, 39.129, 269.188
Yxy	29.2647, 0.2195, 0.2321
Android (android.graphics.Color)	4284127192 (0xFF5A97D8)
YUV	140.1710, 37.3837, -44.0000
Hunter-Lab	54.0969, -3.3487, -37.9159

Details

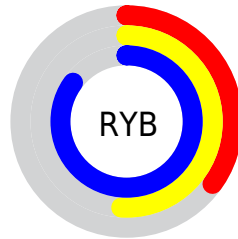
The Yxy color **29.2647, 0.2195, 0.2321** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **38.7729, 0.4381, 0.4056**, and the grayscale version is **26.1648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2722, 0.2461, 0.2696**, and **11.7891, 0.1916, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **24.9172, 0.2055, 0.2119**, and if you desaturate by 10%, it is **34.2677, 0.2349, 0.2517**.

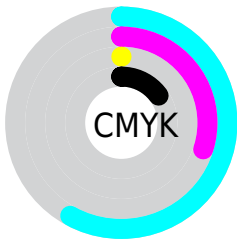
Distribution



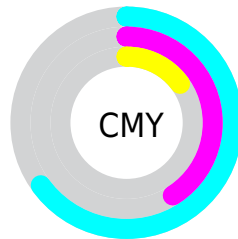
- Red (35%)
- Green (59%)
- Blue (85%)



- Red (35%)
- Yellow (51%)
- Blue (85%)



- Cyan (58%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2647, 0.2195, 0.2321 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 29.2647, 0.2195, 0.2321 by changing the saturation by 10% instead.

■ 29.2647, 0.2195,
0.2321

■ 29.2647, 0.2195,
0.2321

■ 298.4618, 0.2676,
0.2822

■ 19.2812, 0.2074,
0.2195

■ 58.4974, 0.2371,
0.2505

■ 11.8736, 0.1919,
0.2033

■ 78.5153, 0.2437,
0.2573

■ 6.6577, 0.1717,
0.1821

■ 102.6468, 0.2493,
0.2631

■ 3.2489, 0.1445,
0.1536

■ 131.2763, 0.2540,
0.2681

■ 1.2630, 0.1074,
0.1147

■ 164.7881, 0.2581,
0.2723

■ 0.1123, 0.0204,
0.0246

■ 203.5667, 0.2617,

■ 0.0000, 0.0000,

0.2760

0.0000

247.9965, 0.2648,
0.2793

■ 29.2647, 0.2195,
0.2321

■ 29.2647, 0.2195,
0.2321

■ 24.9172, 0.2055,
0.2119

■ 34.2677, 0.2349,
0.2517

■ 21.1847, 0.1934,
0.1918

■ 39.9569, 0.2510,
0.2704

■ 18.0254, 0.1837,
0.1722

■ 46.3643, 0.2675,
0.2878

■ 15.3800, 0.1764,
0.1538

■ 53.5185, 0.2839,
0.3037

■ 14.9751, 0.1752,
0.1508

■ 61.4465, 0.2999,
0.3182

70.1737, 0.3152,
0.3311

79.7244, 0.3297,
0.3425

88.6133, 0.3379,
0.3530

95.3801, 0.3363,
0.3636

Harmonies

Analogous

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



29.2647, 0.2006, 0.2544



29.2647, 0.2195, 0.2321



29.2647, 0.2621, 0.2332

Triad

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



29.2647, 0.2195, 0.2321



29.2647, 0.4310, 0.3380



29.2647, 0.2928, 0.4244

Complementary

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



29.2647, 0.2195, 0.2321



38.7729, 0.4381, 0.4056

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.



29.2647, 0.3550, 0.4460



29.2647, 0.2195, 0.2321



29.2647, 0.4381, 0.3866

Square

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



29.2647, 0.2195, 0.2321



29.2647, 0.3871, 0.2915



29.2647, 0.4087, 0.4278



29.2647, 0.2392, 0.3666

Rectangle

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



29.2647, 0.2195, 0.2321



29.2647, 0.3014, 0.2454



29.2647, 0.4087, 0.4278



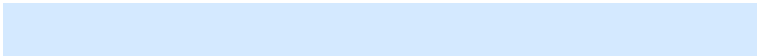
29.2647, 0.3134, 0.4365

Sweetspot

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



29.2657, 0.2195, 0.2321



79.2394, 0.2858, 0.3055



53.5783, 0.2723, 0.4227



16.4832, 0.2825, 0.3024



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.



29.2657, 0.2195, 0.2321



34.9466, 0.2025, 0.2072



14.4440, 0.1999, 0.1425



12.9912, 0.2982, 0.3167



9.0792, 0.1760, 0.1535



0.7130, 0.1849, 0.1855

Inverse Universe

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



24.1443, 0.4010, 0.2578



29.1399, 0.4306, 0.2487



64.4398, 0.3954, 0.4657



12.5200, 0.3216, 0.3178



9.2614, 0.5014, 0.2536



0.5753, 0.4620, 0.2319

Previews

White Background



This preview shows how the Yxy color 29.2647, 0.2195, 0.2321 looks on a white background.

Color Contrast Check

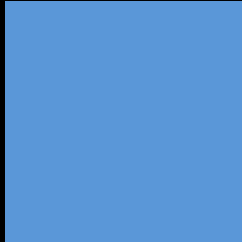
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2647, 0.2195, 0.2321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

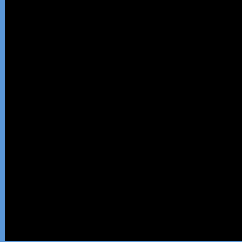
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

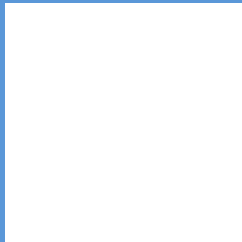
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2647, 0.2195, 0.2321

Background



This preview shows how black text looks on a background with the Yxy color 29.2647, 0.2195, 0.2321.

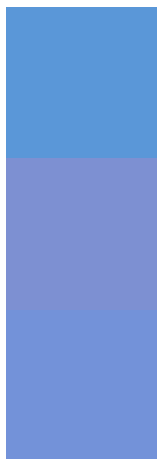


This preview shows how white text looks on a background with the Yxy color 29.2647, 0.2195, 0.2321.

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

29.2647, 0.2195, 0.2321

Protanopia

28.9596, 0.2424, 0.2335

Deuteranopia

29.2124, 0.2319, 0.2268



Tritanopia

29.1525, 0.2367, 0.3064

Trichromacy



Original Color

29.2647, 0.2195, 0.2321

Protanomaly

29.0656, 0.2331, 0.2336

Deuteranomaly

29.2537, 0.2269, 0.2284

Tritanomaly

29.0700, 0.2300, 0.2764

Monochromacy



Original Color

29.2647, 0.2195, 0.2321

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.9112, 0.2698, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2647, 0.2195, 0.2321 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(90, 151, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 151, 216)  
}
```

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(90, 151, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 151, 216) }
```

Border

The CSS property to change the border of an element to Yxy 29.2647, 0.2195, 0.2321 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(90, 151, 216) }
```

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

```
.border{ border-color:rgb(90, 151, 216) }
```

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

Here you see how a box with a 4 pixel rgb(90, 151, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 151, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 151, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 151,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2647, 0.2195, 0.2321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 151, 216) }
```

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

```
.background{ background-color: rgb(90, 151,  
216) }
```

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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