

Converting Colors

$Y_{xy}(28.4612, 0.2331, 0.2526)$

Have a look what the booklet for
Yxy(28.4612, 0.2331, 0.2526)
contains.

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Color

Yxy(28.5889, 0.2331, 0.2527)

Conversions

Conversions Part 1

Format	Color
Hex	6396C7
RGB	99, 150, 199
RGB Percent	39%, 59%, 78%
CMY	0.6113, 0.4118, 0.2195
CMYK	0.50, 0.25, 0.00, 0.22
HSL	209°, 47%, 58%
HSV	209°, 50%, 78%
XYZ	26.3715, 28.5889, 58.1734
YIQ	140.3370, -46.1250, 4.4270

Conversions

Conversions Part 2

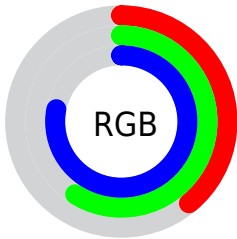
Format	Color
R _Y B	99, 133, 199
Decimal	6526663
CIE Lab	60.42, -3.27, -30.53
CIE LCh	60, 30.708, 263.886
Yxy	28.5889, 0.2331, 0.2527
Android (android.graphics.Color)	4284716743 (0xFF6396C7)
YUV	140.3370, 28.9209, -36.2525
Hunter-Lab	53.4686, -5.5313, -27.0790

Details

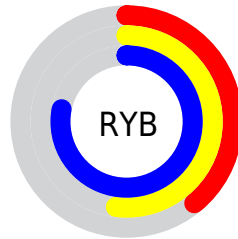
The Yxy color **28.5889, 0.2331, 0.2527** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.2763, 0.4176, 0.3929**, and the grayscale version is **26.2720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3743, 0.2491, 0.2688**, and **11.4191, 0.2077, 0.2270** is the 20% darker color. If you saturate the color by 10%, you get **24.6138, 0.2184, 0.2341**, and if you desaturate by 10%, it is **33.1024, 0.2488, 0.2705**.

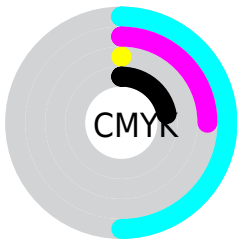
Distribution



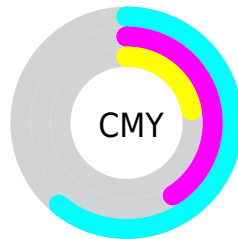
- Red (39%)
- Green (59%)
- Blue (78%)



- Red (39%)
- Yellow (52%)
- Blue (78%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (22%)



- Cyan (61%)
- Magenta (41%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5889, 0.2331, 0.2527 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 28.5889, 0.2331, 0.2527 by changing the saturation by 10% instead.

■ 28.5889, 0.2331,
0.2527

■ 28.5889, 0.2331,
0.2527

■ 295.2703, 0.2748,
0.2931

■ 18.7701, 0.2223,
0.2421

■ 57.4233, 0.2486,
0.2678

■ 11.5042, 0.2083,
0.2282

■ 77.2076, 0.2543,
0.2734

■ 6.4071, 0.1894,
0.2094

■ 101.0826, 0.2591,
0.2780

■ 3.0942, 0.1632,
0.1829

■ 129.4325, 0.2632,
0.2819

■ 1.1811, 0.1254,
0.1440

■ 162.6419, 0.2667,
0.2853

■ 0.0462, 0.0000,
0.0164

■ 201.0950, 0.2697,

■ 0.0000, 0.0000,

0.2882

0.0000

245.1764, 0.2724,
0.2908

■ 28.5889, 0.2331,
0.2527

■ 28.5889, 0.2331,
0.2527

■ 24.6138, 0.2184,
0.2341

■ 33.1024, 0.2488,
0.2705

■ 21.1469, 0.2051,
0.2149

■ 38.1757, 0.2650,
0.2871

■ 18.1592, 0.1937,
0.1958

■ 43.8327, 0.2812,
0.3024

■ 15.6159, 0.1846,
0.1773

■ 50.0948, 0.2971,
0.3163

■ 13.4959, 0.1778,
0.1600

■ 56.9822, 0.3124,
0.3288

■ 64.5138, 0.3271,
0.3399

■ 72.7080, 0.3409,
0.3497

■ 80.9449, 0.3514,
0.3585

■ 86.4771, 0.3494,
0.3680

Harmonies

Analogous

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



28.5889, 0.2211, 0.2755



28.5889, 0.2331, 0.2527



28.5889, 0.2652, 0.2496

Triad

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



28.5889, 0.2331, 0.2527



28.5889, 0.4018, 0.3307



28.5889, 0.3067, 0.4081

Complementary

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



28.5889, 0.2331, 0.2527



34.2763, 0.4176, 0.3929

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.



28.5889, 0.3562, 0.4206



28.5889, 0.2331, 0.2527



28.5889, 0.4136, 0.3706

Square

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



28.5889, 0.2331, 0.2527



28.5889, 0.3634, 0.2931



28.5889, 0.3959, 0.4044



28.5889, 0.2610, 0.3677

Rectangle

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



28.5889, 0.2331, 0.2527



28.5889, 0.2955, 0.2576



28.5889, 0.3959, 0.4044



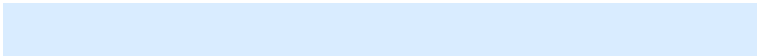
28.5889, 0.3234, 0.4158

Sweetspot

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



28.5899, 0.2331, 0.2527



82.0537, 0.2891, 0.3095



45.6348, 0.2771, 0.4094



17.0664, 0.2857, 0.3065



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.



28.5899, 0.2331, 0.2527



42.6462, 0.2174, 0.2328



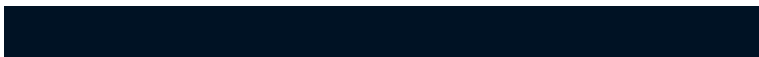
16.0480, 0.2179, 0.1740



11.1653, 0.2983, 0.3174



8.8520, 0.1784, 0.1624



0.5639, 0.1888, 0.1998

Inverse Universe

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



23.2916, 0.3794, 0.2635



34.0539, 0.4013, 0.2520



53.1424, 0.3865, 0.4478



10.7256, 0.3211, 0.3173



8.4336, 0.4901, 0.2474



0.4139, 0.4456, 0.2228

Previews

White Background



This preview shows how the Yxy color 28.5889, 0.2331, 0.2527 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 28.5889, 0.2331, 0.2527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

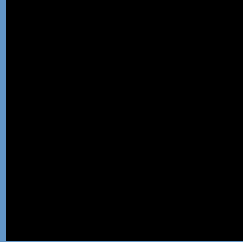
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

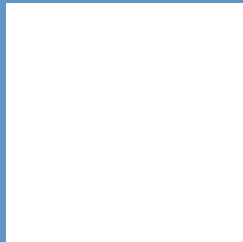
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5889, 0.2331, 0.2527

Background



This preview shows how black text looks on a background with the Yxy color 28.5889, 0.2331, 0.2527.

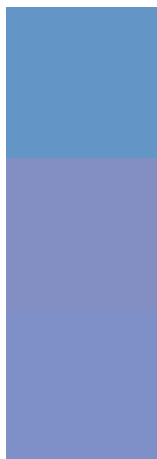


This preview shows how white text looks on a background with the Yxy color 28.5889, 0.2331, 0.2527.

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

28.5889, 0.2331, 0.2527

Protanopia

28.3653, 0.2576, 0.2526

Deuteranopia

28.3271, 0.2502, 0.2444



Tritanopia

28.7279, 0.2477, 0.3083

Trichromacy



Original Color

28.5889, 0.2331, 0.2527

Protanomaly

28.4652, 0.2474, 0.2529

Deuteranomaly

28.5098, 0.2434, 0.2474

Tritanomaly

28.6930, 0.2425, 0.2875

Monochromacy



Original Color

28.5889, 0.2331, 0.2527

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.8797, 0.2783, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5889, 0.2331, 0.2527 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(99, 150, 199)` looks like.

```
.text, #text, p{  
  color:rgb(99, 150, 199)  
}
```

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(99, 150, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 150, 199) }
```

Border

The CSS property to change the border of an element to Yxy 28.5889, 0.2331, 0.2527 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(99, 150, 199) }
```

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

```
.border{ border-color:rgb(99, 150, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 150, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 150, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 150, 199);  
box-shadow:4px 4px 4px 4px rgb(99, 150,  
199) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 28.5889, 0.2331, 0.2527$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 150, 199) }
```

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

```
.background{ background-color: rgb(99, 150,  
199) }
```

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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