

Converting Colors

$Y_{xy}(28.6996, 0.2236, 0.2565)$

Have a look what the booklet for
Yxy(28.6996, 0.2236, 0.2565)
contains.

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Color

Yxy(28.6115, 0.2236, 0.2558)

Conversions

Conversions Part 1

Format	Color
Hex	5099C7
RGB	80, 153, 199
RGB Percent	31%, 60%, 78%
CMY	0.6861, 0.4000, 0.2197
CMYK	0.60, 0.23, 0.00, 0.22
HSL	203°, 51%, 55%
HSV	203°, 60%, 78%
XYZ	25.0099, 28.6115, 58.2297
YIQ	136.4170, -58.2740, -1.1700

Conversions

Conversions Part 2

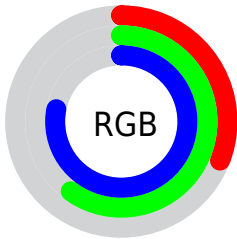
Format	Color
R _Y B	80, 125, 199
Decimal	5282247
CIE Lab	60.44, -9.07, -30.55
CIE LCh	60, 31.869, 253.466
Yxy	28.6115, 0.2236, 0.2558
Android (android.graphics.Color)	4283472327 (0xFF5099C7)
YUV	136.4170, 30.8534, -49.4777
Hunter-Lab	53.4897, -10.1467, -27.1011

Details

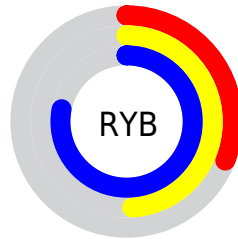
The Yxy color **28.6115, 0.2236, 0.2558** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **27.6524, 0.4551, 0.3876**, and the grayscale version is **24.6882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2489, 0.2409, 0.2712**, and **11.5471, 0.1976, 0.2314** is the 20% darker color. If you saturate the color by 10%, you get **25.4322, 0.2118, 0.2410**, and if you desaturate by 10%, it is **32.2118, 0.2370, 0.2702**.

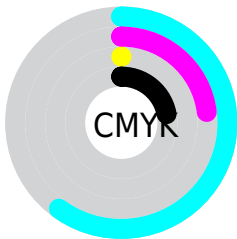
Distribution



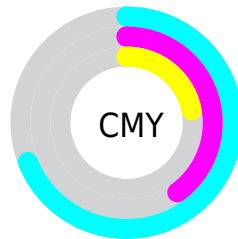
- Red (31%)
- Green (60%)
- Blue (78%)



- Red (31%)
- Yellow (49%)
- Blue (78%)



- Cyan (60%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6115, 0.2236, 0.2558 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 28.6115, 0.2236, 0.2558 by changing the saturation by 10% instead.

■ 28.6115, 0.2236,
0.2558

■ 28.6115, 0.2236,
0.2558

■ 295.3775, 0.2699,
0.2950

■ 18.7871, 0.2117,
0.2453

■ 57.4593, 0.2407,
0.2706

■ 11.5166, 0.1964,
0.2316

■ 77.2514, 0.2471,
0.2760

■ 6.4154, 0.1760,
0.2128

■ 101.1350, 0.2524,
0.2805

■ 3.0993, 0.1481,
0.1862

■ 129.4943, 0.2569,
0.2843

■ 1.1838, 0.1088,
0.1467

■ 162.7139, 0.2609,
0.2875

■ 0.0484, 0.0000,
0.0171

■ 201.1780, 0.2643,

■ 0.0000, 0.0000,

0.2904

0.0000

245.2710, 0.2672,
0.2928

■ 28.6115, 0.2236,
0.2558

■ 28.6115, 0.2236,
0.2558

■ 25.4322, 0.2118,
0.2410

■ 32.2118, 0.2370,
0.2702

■ 22.6443, 0.2018,
0.2260

■ 36.2535, 0.2514,
0.2839

■ 20.2182, 0.1940,
0.2112

■ 40.7589, 0.2666,
0.2968

■ 18.0993, 0.1880,
0.1967

■ 45.7478, 0.2822,
0.3086

■ 18.0532, 0.1879,
0.1964

■ 51.2385, 0.2977,
0.3195

■ 57.2482, 0.3131,
0.3292

■ 63.7932, 0.3279,
0.3379

■ 70.8890, 0.3422,
0.3457

■ 77.7569, 0.3527,
0.3528

Harmonies

Analogous

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



28.6115, 0.2188, 0.2864



28.6115, 0.2236, 0.2558



28.6115, 0.2498, 0.2458

Triad

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



28.6115, 0.2236, 0.2558



28.6115, 0.3939, 0.3165



28.6115, 0.3244, 0.4196

Complementary

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



28.6115, 0.2236, 0.2558



27.6524, 0.4551, 0.3876

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.



28.6115, 0.3738, 0.4211



28.6115, 0.2236, 0.2558



28.6115, 0.4167, 0.3577

Square

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



28.6115, 0.2236, 0.2558



28.6115, 0.3474, 0.2801



28.6115, 0.4084, 0.3961



28.6115, 0.2742, 0.3863

Rectangle

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



28.6115, 0.2236, 0.2558



28.6115, 0.2777, 0.2500



28.6115, 0.4084, 0.3961



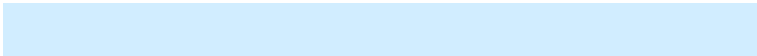
28.6115, 0.3416, 0.4237

Sweetspot

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



28.6125, 0.2236, 0.2558



81.5042, 0.2845, 0.3103



44.0463, 0.2798, 0.4486



16.8655, 0.2799, 0.3070



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.



28.6125, 0.2236, 0.2558



42.8587, 0.2083, 0.2361



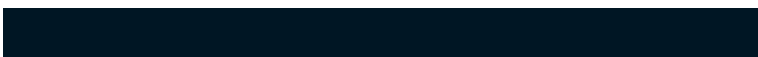
13.8229, 0.2020, 0.1585



11.3522, 0.2984, 0.3199



11.7842, 0.1884, 0.1984



0.6954, 0.1968, 0.2286

Inverse Universe

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



20.1850, 0.3799, 0.2383



29.2785, 0.4022, 0.2257



47.4654, 0.4060, 0.4548



10.7444, 0.3196, 0.3149



8.7296, 0.4471, 0.2237



0.4272, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 28.6115, 0.2236, 0.2558 looks on a white background.

Color Contrast Check

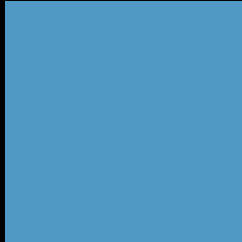
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6115, 0.2236, 0.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

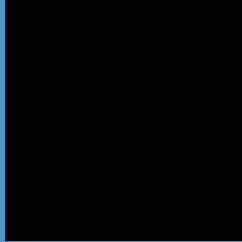
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

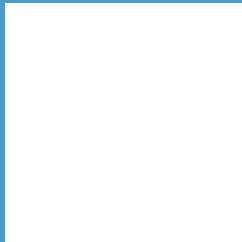
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6115, 0.2236, 0.2558

Background



This preview shows how black text looks on a background with the Yxy color 28.6115, 0.2236, 0.2558.

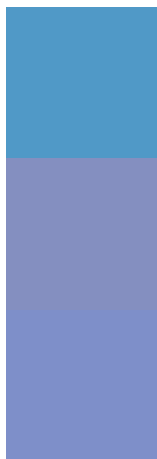


This preview shows how white text looks on a background with the Yxy color 28.6115, 0.2236, 0.2558.

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

28.6115, 0.2236, 0.2558

Protanopia

28.3562, 0.2599, 0.2554

Deuteranopia

28.2976, 0.2487, 0.2430



Tritanopia

28.6229, 0.2349, 0.3062

Trichromacy



Original Color

28.6115, 0.2236, 0.2558

Protanomaly

28.3183, 0.2439, 0.2549

Deuteranomaly

28.2888, 0.2380, 0.2479

Tritanomaly

28.4908, 0.2304, 0.2866

Monochromacy



Original Color

28.6115, 0.2236, 0.2558

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.5622, 0.2715, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6115, 0.2236, 0.2558 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(80, 153, 199)` looks like.

```
.text, #text, p{  
    color:rgb(80, 153, 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(80, 153, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 153, 199) }
```

Border

The CSS property to change the border of an element to Yxy 28.6115, 0.2236, 0.2558 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(80, 153, 199) }
```

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

```
.border{ border-color:rgb(80, 153, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 153, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 153, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 153, 199);  
box-shadow:4px 4px 4px 4px rgb(80, 153,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6115, 0.2236, 0.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 153, 199) }
```

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

```
.background{ background-color: rgb(80, 153,  
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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