

Converting Colors

$Y_{xy}(28.7688, 0.2169, 0.2715)$

Have a look what the booklet for
Yxy(28.7688, 0.2169, 0.2715)
contains.

Yxy(28.5978, 0.2166, 0.2706)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5978, 0.2166, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	329DC0
RGB	50, 157, 192
RGB Percent	20%, 62%, 75%
CMY	0.8036, 0.3843, 0.2470
CMYK	0.74, 0.18, 0.00, 0.25
HSL	195°, 59%, 47%
HSV	195°, 74%, 75%
XYZ	22.8909, 28.5978, 54.1942
YIQ	128.9970, -75.0070, -11.7990

Conversions

Conversions Part 2

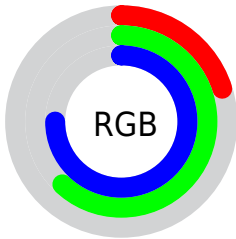
Format	Color
R_{YB}	50, 111, 192
Decimal	3317184
CIE _{Lab}	60.43, -18.33, -26.73
CIE _{LCh}	60, 32.415, 235.556
Yxy	28.5978, 0.2166, 0.2706
Android (android.graphics.Color)	4281507264 (0xFF329DC0)
YUV	128.9970, 31.0605, -69.2804
Hunter-Lab	53.4769, -17.1772, -22.6514

Details

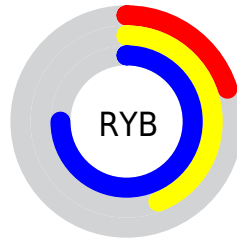
The Yxy color **28.5978, 0.2166, 0.2706** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **17.9531, 0.5255, 0.3688**, and the grayscale version is **21.8686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6395, 0.2349, 0.2829**, and **12.1430, 0.2040, 0.2543** is the 20% darker color. If you saturate the color by 10%, you get **26.6358, 0.2095, 0.2614**, and if you desaturate by 10%, it is **30.8287, 0.2256, 0.2797**.

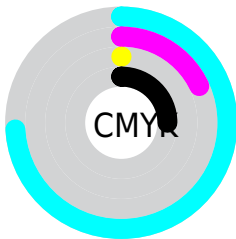
Distribution



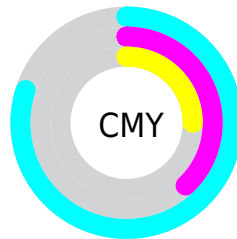
- Red (20%)
- Green (62%)
- Blue (75%)



- Red (20%)
- Yellow (44%)
- Blue (75%)



- Cyan (74%)
- Magenta (18%)
- Yellow (0%)
- Black (25%)



- Cyan (80%)
- Magenta (38%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5978, 0.2166, 0.2706 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 28.5978, 0.2166, 0.2706 by changing the saturation by 10% instead.


 28.5978, 0.2166,
0.2706


 28.5978, 0.2166,
0.2706


295.3125, 0.2664,
0.3029


 18.7768, 0.2039,
0.2616


 57.4375, 0.2350,
0.2830


 11.5091, 0.1875,
0.2496


 77.2249, 0.2418,
0.2875

 6.4104, 0.1658,
0.2327


 101.1032, 0.2475,
0.2912

 3.0962, 0.1362,
0.2079

 129.4569, 0.2524,
0.2943

 1.1821, 0.0931,
0.1695

 162.6702, 0.2566,
0.2969

 0.0471, 0.0000,
0.0203

201.1277, 0.2603,

 0.0000, 0.0000,

0.2992

0.0000

245.2137, 0.2635,
0.3011

■ 28.5978, 0.2166,
0.2706

■ 28.5978, 0.2166,
0.2706

■ 26.6358, 0.2095,
0.2614

■ 30.8287, 0.2256,
0.2797

■ 24.9114, 0.2044,
0.2524

■ 33.3489, 0.2364,
0.2886

■ 23.9471, 0.2019,
0.2469

■ 36.1799, 0.2487,
0.2973

■ 39.3399, 0.2622,
0.3054

■ 42.8457, 0.2766,
0.3131

■ 46.7126, 0.2915,
0.3202

■ 50.9549, 0.3067,
0.3266

■ 55.5863, 0.3220,
0.3325

■ 60.6193, 0.3370,
0.3377

Harmonies

Analogous

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



28.5978, 0.2252, 0.3132



28.5978, 0.2166, 0.2706



28.5978, 0.2304, 0.2481

Triad

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



28.5978, 0.2166, 0.2706



28.5978, 0.3690, 0.2932



28.5978, 0.3555, 0.4260

Complementary

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



28.5978, 0.2166, 0.2706



17.9531, 0.5255, 0.3688

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.



28.5978, 0.3984, 0.4098



28.5978, 0.2166, 0.2706



28.5978, 0.4083, 0.3328

Square

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



28.5978, 0.2166, 0.2706



28.5978, 0.3152, 0.2624



28.5978, 0.4188, 0.3746



28.5978, 0.3032, 0.4112

Rectangle

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



28.5978, 0.2166, 0.2706



28.5978, 0.2514, 0.2446



28.5978, 0.4188, 0.3746



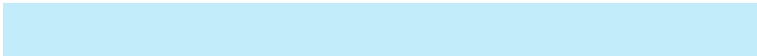
28.5978, 0.3716, 0.4236

Sweetspot

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



28.5988, 0.2166, 0.2706



78.6708, 0.2789, 0.3142



39.0160, 0.2885, 0.5177



16.4857, 0.2748, 0.3122



97.7402, 0.3127, 0.3290



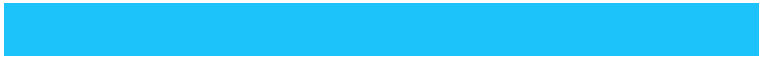
20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.5988, 0.2166, 0.2706



46.1740, 0.2060, 0.2555



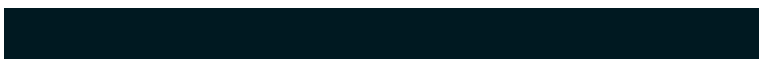
11.4542, 0.1857, 0.1485



10.9938, 0.2984, 0.3232



16.2377, 0.2022, 0.2480



0.8046, 0.2078, 0.2682

Inverse Universe

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



15.9309, 0.3698, 0.2033



25.0530, 0.3862, 0.1949



34.6070, 0.4436, 0.4528



10.2037, 0.3174, 0.3118



8.9214, 0.3942, 0.1945



0.3959, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 28.5978, 0.2166, 0.2706 looks on a white background.

Color Contrast Check

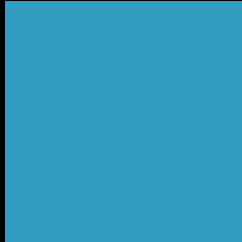
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5978, 0.2166, 0.2706 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 28.5978, 0.2166, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 28.5978, 0.2166, 0.2706.

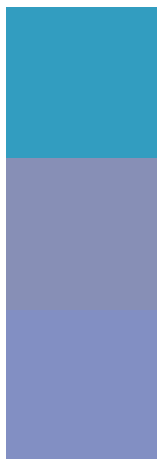


This preview shows how white text looks on a background with the Yxy color 28.5978, 0.2166, 0.2706.

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

28.5978, 0.2166, 0.2706

Protanopia

28.1732, 0.2701, 0.2693

Deuteranopia

28.3309, 0.2560, 0.2512



Tritanopia

28.4988, 0.2229, 0.3057

Trichromacy



Original Color

28.5978, 0.2166, 0.2706

Protanomaly

27.6680, 0.2436, 0.2678

Deuteranomaly

27.8416, 0.2366, 0.2564

Tritanomaly

28.5427, 0.2204, 0.2924

Monochromacy



Original Color

28.5978, 0.2166, 0.2706

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.4416, 0.2626, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5978, 0.2166, 0.2706 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(50, 157, 192)` looks like.

```
.text, #text, p{  
    color:rgb(50, 157, 192)  
}
```

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(50, 157, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 157, 192) }
```

Border

The CSS property to change the border of an element to Yxy 28.5978, 0.2166, 0.2706 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(50, 157, 192) }
```

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

```
.border{ border-color:rgb(50, 157, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 157, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 157, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 157, 192);  
box-shadow:4px 4px 4px 4px rgb(50, 157,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5978, 0.2166, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 157, 192) }
```

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

```
.background{ background-color: rgb(50, 157,  
192) }
```

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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