

Converting Colors

$Y_{xy}(28.4173, 0.1967, 0.2133)$

Have a look what the booklet for
Yxy(28.4173, 0.1967, 0.2133)
contains.

Yxy(28.6010, 0.1967, 0.2135)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.6010, 0.1967, 0.2135)$

Conversions

Conversions Part 1

Format	Color
Hex	2798E6
RGB	39, 152, 230
RGB Percent	15%, 60%, 90%
CMY	0.8470, 0.4039, 0.0979
CMYK	0.83, 0.34, 0.00, 0.10
HSL	205°, 79%, 53%
HSV	205°, 83%, 90%
XYZ	26.3504, 28.6010, 79.0111
YIQ	127.1050, -92.3860, 0.3020

Conversions

Conversions Part 2

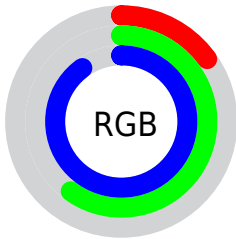
Format	Color
R _Y B	39, 110, 230
Decimal	2595046
CIE Lab	60.43, -3.40, -47.95
CIE LCh	60, 48.072, 265.940
Yxy	28.6010, 0.1967, 0.2135
Android (android.graphics.Color)	4280785126 (0xFF2798E6)
YUV	127.1050, 50.7272, -77.2681
Hunter-Lab	53.4799, -5.6399, -50.1590

Details

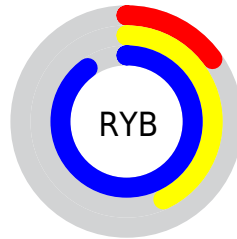
The Yxy color **28.6010, 0.1967, 0.2135** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **29.7070, 0.5274, 0.3979**, and the grayscale version is **21.1104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0756, 0.2307, 0.2685**, and **12.5587, 0.1856, 0.1881** is the 20% darker color. If you saturate the color by 10%, you get **25.3501, 0.1894, 0.1979**, and if you desaturate by 10%, it is **32.3671, 0.2062, 0.2295**.

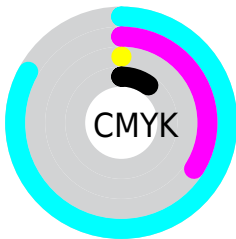
Distribution



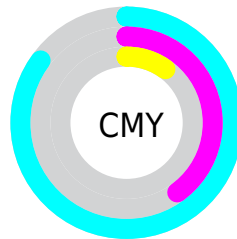
- Red (15%)
- Green (60%)
- Blue (90%)



- Red (15%)
- Yellow (43%)
- Blue (90%)



- Cyan (83%)
- Magenta (34%)
- Yellow (0%)
- Black (10%)



- Cyan (85%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6010, 0.1967, 0.2135 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 28.6010, 0.1967, 0.2135 by changing the saturation by 10% instead.

■ 28.6010, 0.1967,
0.2135

■ 28.6010, 0.1967,
0.2135

■ 295.3277, 0.2555,
0.2726

■ 18.7792, 0.1824,
0.1990

■ 57.4425, 0.2179,
0.2350

■ 11.5108, 0.1646,
0.1807

■ 77.2311, 0.2259,
0.2430

■ 6.4115, 0.1421,
0.1574

■ 101.1106, 0.2327,
0.2499

■ 3.0969, 0.1132,
0.1272

■ 129.4656, 0.2386,
0.2558

■ 1.1825, 0.0769,
0.0886

■ 162.6804, 0.2436,
0.2608

■ 0.0474, 0.0000,
0.0078

201.1394, 0.2481,

■ 0.0000, 0.0000,

0.2653

0.0000

245.2271, 0.2520,
0.2692

■ 28.6010, 0.1967,
0.2135

■ 28.6010, 0.1967,
0.2135

■ 25.3501, 0.1894,
0.1979

■ 32.3671, 0.2062,
0.2295

■ 23.3389, 0.1854,
0.1873

■ 36.6938, 0.2178,
0.2454

■ 41.6226, 0.2310,
0.2611

■ 47.1892, 0.2456,
0.2761

■ 53.4257, 0.2609,
0.2902

■ 60.3616, 0.2767,
0.3032

■ 68.0246, 0.2925,
0.3152

■ 76.4402, 0.3081,
0.3260

■ 85.6329, 0.3232,
0.3356

Harmonies

Analogous

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



28.6010, 0.1777, 0.2415



28.6010, 0.1967, 0.2135



28.6010, 0.2437, 0.2130

Triad

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



28.6010, 0.1967, 0.2135



28.6010, 0.4553, 0.3309



28.6010, 0.2943, 0.4557

Complementary

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



28.6010, 0.1967, 0.2135



29.7070, 0.5274, 0.3979

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.



28.6010, 0.3696, 0.4739



28.6010, 0.1967, 0.2135



28.6010, 0.4676, 0.3887

Square

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



28.6010, 0.1967, 0.2135



28.6010, 0.3964, 0.2774



28.6010, 0.4336, 0.4424



28.6010, 0.2281, 0.3847

Rectangle

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



28.6010, 0.1967, 0.2135



28.6010, 0.2895, 0.2259



28.6010, 0.4336, 0.4424



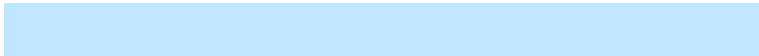
28.6010, 0.3194, 0.4685

Sweetspot

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



28.6019, 0.1967, 0.2135



74.3440, 0.2733, 0.3006



58.2858, 0.2770, 0.5006



15.2423, 0.2677, 0.2960



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.



28.6019, 0.1967, 0.2135



29.2988, 0.1851, 0.1865



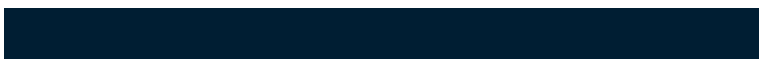
9.1846, 0.1638, 0.0904



15.2972, 0.2981, 0.3192



13.4565, 0.1860, 0.1897



1.1760, 0.1923, 0.2121

Inverse Universe

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



20.5462, 0.4280, 0.2253



23.4889, 0.4609, 0.2312



63.5237, 0.4296, 0.4848



14.5104, 0.3200, 0.3152



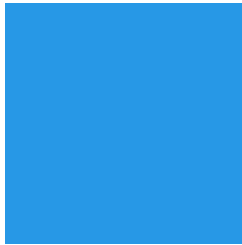
10.5562, 0.4571, 0.2292



0.7984, 0.4318, 0.2152

Previews

White Background



This preview shows how the Yxy color 28.6010, 0.1967, 0.2135 looks on a white background.

Color Contrast Check

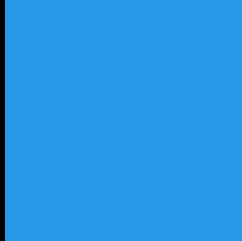
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6010, 0.1967, 0.2135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

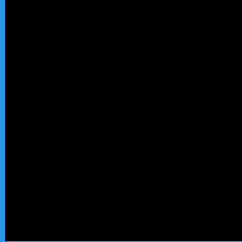
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

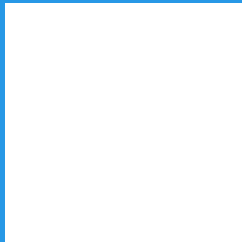
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6010, 0.1967, 0.2135

Background



This preview shows how black text looks on a background with the Yxy color 28.6010, 0.1967, 0.2135.



This preview shows how white text looks on a background with the Yxy color 28.6010, 0.1967, 0.2135.

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

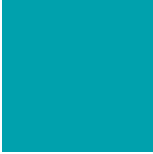
28.6010, 0.1967, 0.2135

Protanopia

28.2795, 0.2293, 0.2167

Deuteranopia

28.4567, 0.2123, 0.2061



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.6010, 0.1967, 0.2135

Protanomaly

28.0143, 0.2131, 0.2151

Deuteranomaly

28.4052, 0.2049, 0.2091

Tritanomaly

28.4421, 0.2090, 0.2685

Monochromacy



Original Color

28.6010, 0.1967, 0.2135

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.7216, 0.2485, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6010, 0.1967, 0.2135 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(39, 152, 230)` looks like.

```
.text, #text, p{  
    color:rgb(39, 152, 230)  
}
```

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(39, 152, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 152, 230) }
```

Border

The CSS property to change the border of an element to Yxy 28.6010, 0.1967, 0.2135 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(39, 152, 230) }
```

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

```
.border{ border-color:rgb(39, 152, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 152, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 152, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 152, 230);  
box-shadow:4px 4px 4px 4px rgb(39, 152,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6010, 0.1967, 0.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 152, 230) }
```

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

```
.background{ background-color: rgb(39, 152,  
230) }
```

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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