

Converting Colors

$Yxy(28.2316, 0.1999, 0.2351)$

Have a look what the booklet for
Yxy(28.2316, 0.1999, 0.2351)
contains.

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Color

$Y_{xy}(28.0854, 0.1997, 0.2345)$

Conversions

Conversions Part 1

Format	Color
Hex	119AD6
RGB	17, 154, 214
RGB Percent	7%, 60%, 84%
CMY	0.9346, 0.3960, 0.1609
CMYK	0.92, 0.28, 0.00, 0.16
HSL	198°, 86%, 45%
HSV	198°, 92%, 84%
XYZ	23.9175, 28.0854, 67.7643
YIQ	119.8770, -100.9120, -10.3840

Conversions

Conversions Part 2

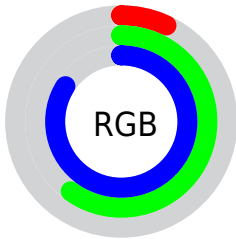
Format	Color
RYB	17, 98, 214
Decimal	1153750
CIELab	59.97, -11.77, -39.78
CIElCh	60, 41.486, 253.516
Yxy	28.0854, 0.1997, 0.2345
Android (android.graphics.Color)	4279343830 (0xFF119AD6)
YUV	119.8770, 46.4026, -90.2231
Hunter-Lab	52.9957, -12.1835, -38.7157

Details

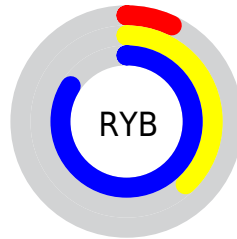
The Yxy color **28.0854, 0.1997, 0.2345** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **19.5911, 0.5774, 0.3715**, and the grayscale version is **18.5848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3350, 0.2269, 0.2704**, and **12.2037, 0.1919, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **26.3312, 0.1960, 0.2257**, and if you desaturate by 10%, it is **30.5893, 0.2059, 0.2460**.

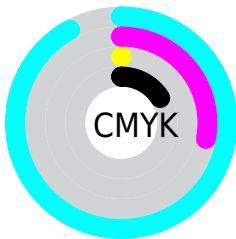
Distribution



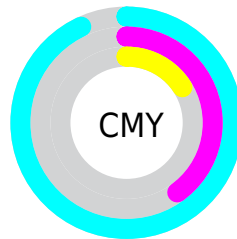
- Red (7%)
- Green (60%)
- Blue (84%)



- Red (7%)
- Yellow (38%)
- Blue (84%)



- Cyan (92%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (93%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0854, 0.1997, 0.2345 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 28.0854, 0.1997, 0.2345 by changing the saturation by 10% instead.

■ 28.0854, 0.1997,
0.2345

■ 28.0854, 0.1997,
0.2345

■ 292.8748, 0.2574,
0.2846

■ 18.3900, 0.1854,
0.2215

■ 56.6208, 0.2207,
0.2532

■ 11.2304, 0.1675,
0.2047

■ 76.2296, 0.2286,
0.2601

■ 6.2220, 0.1443,
0.1825

■ 99.9116, 0.2352,
0.2659

■ 2.9805, 0.1142,
0.1523

■ 128.0513, 0.2410,
0.2708

■ 1.1216, 0.0753,
0.1109

■ 161.0331, 0.2459,
0.2750

■ 0.0000, 0.0000,
0.0000

199.2414, 0.2502,

0.2786

243.0604, 0.2540,
0.2818

■ 28.0854, 0.1997,
0.2345

■ 28.0854, 0.1997,
0.2345

■ 26.3312, 0.1960,
0.2257

■ 30.5893, 0.2059,
0.2460

■ 33.4439, 0.2140,
0.2576

■ 36.6869, 0.2242,
0.2691

■ 40.3490, 0.2360,
0.2803

■ 44.4573, 0.2493,
0.2911

■ 49.0360, 0.2636,
0.3013

■ 54.1073, 0.2786,
0.3108

■ 59.6917, 0.2939,
0.3195

■ 65.8086, 0.3093,
0.3274

Harmonies

Analogous

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



28.0854, 0.1934, 0.2718



28.0854, 0.1997, 0.2345



28.0854, 0.2319, 0.2235

Triad

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



28.0854, 0.1997, 0.2345



28.0854, 0.4194, 0.3114



28.0854, 0.3255, 0.4504

Complementary

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



28.0854, 0.1997, 0.2345



19.5911, 0.5774, 0.3715

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.



28.0854, 0.3896, 0.4486



28.0854, 0.1997, 0.2345



28.0854, 0.4486, 0.3626

Square

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



28.0854, 0.1997, 0.2345



28.0854, 0.3575, 0.2666



28.0854, 0.4359, 0.4125



28.0854, 0.2614, 0.4056

Rectangle

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



28.0854, 0.1997, 0.2345



28.0854, 0.2668, 0.2292



28.0854, 0.4359, 0.4125



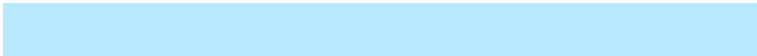
28.0854, 0.3478, 0.4548

Sweetspot

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



28.0863, 0.1997, 0.2345



75.8084, 0.2694, 0.3051



48.7189, 0.2868, 0.5464



15.5451, 0.2630, 0.3009



0.0000, 0.0000, 0.0000



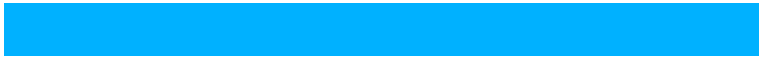
21.4041, 0.3127, 0.3290

Same Dimension

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



28.0863, 0.1997, 0.2345



38.8611, 0.1957, 0.2246



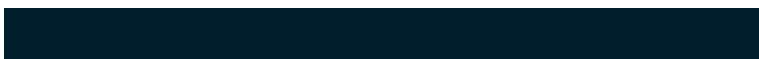
7.8125, 0.1603, 0.0909



13.4411, 0.2982, 0.3217



16.1099, 0.1965, 0.2273



1.1144, 0.2020, 0.2470

Inverse Universe

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



17.0178, 0.4074, 0.2054



24.4542, 0.4184, 0.2078



44.8060, 0.4544, 0.4728



12.5654, 0.3184, 0.3129



9.9712, 0.4154, 0.2062



0.6158, 0.3952, 0.1951

Previews

White Background



This preview shows how the Yxy color 28.0854, 0.1997, 0.2345 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 28.0854, 0.1997, 0.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

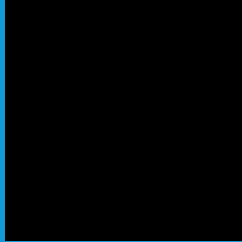
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0854, 0.1997, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 28.0854, 0.1997, 0.2345.

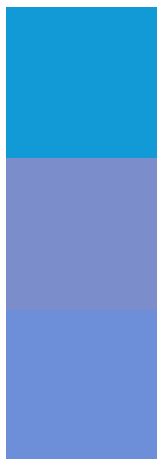


This preview shows how white text looks on a background with the Yxy color 28.0854, 0.1997, 0.2345.

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

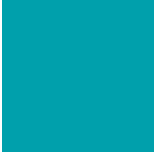
28.0854, 0.1997, 0.2345

Protanopia

27.6945, 0.2448, 0.2359

Deuteranopia

27.9059, 0.2273, 0.2213



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



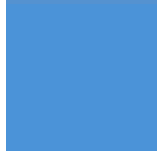
Original Color

28.0854, 0.1997, 0.2345



Protanomaly

27.0431, 0.2190, 0.2331



Deuteranomaly

27.3212, 0.2110, 0.2241



Tritanomaly

28.0803, 0.2113, 0.2789

Monochromacy



Original Color

28.0854, 0.1997, 0.2345



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

20.6295, 0.2445, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0854, 0.1997, 0.2345 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(17, 154, 214)` looks like.

```
.text, #text, p{  
    color:rgb(17, 154, 214)  
}
```

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(17, 154, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 154, 214) }
```

Border

The CSS property to change the border of an element to Yxy 28.0854, 0.1997, 0.2345 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(17, 154, 214) }
```

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

```
.border{ border-color:rgb(17, 154, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 154, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 154, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 154, 214);  
box-shadow:4px 4px 4px 4px rgb(17, 154,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0854, 0.1997, 0.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 154, 214) }
```

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

```
.background{ background-color: rgb(17, 154,  
214) }
```

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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