

Converting Colors

$Y_{xy}(28.1470, 0.2034, 0.2370)$

Have a look what the booklet for
Yxy(28.1470, 0.2034, 0.2370)
contains.

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Color

$Y_{xy}(28.2580, 0.2035, 0.2376)$

Conversions

Conversions Part 1

Format	Color
Hex	259AD4
RGB	37, 154, 212
RGB Percent	15%, 60%, 83%
CMY	0.8549, 0.3961, 0.1686
CMYK	0.83, 0.27, 0.00, 0.17
HSL	200°, 70%, 49%
HSV	200°, 83%, 83%
XYZ	24.2025, 28.2580, 66.4705
YIQ	125.6290, -88.3500, -6.7660

Conversions

Conversions Part 2

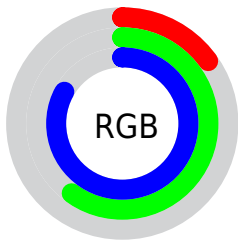
Format	Color
R _Y B	37, 107, 212
Decimal	2464468
CIE _{Lab}	60.12, -11.19, -38.42
CIE _{LCh}	60, 40.017, 253.758
Y _{xy}	28.2580, 0.2035, 0.2376
Android (android.graphics.Color)	4280654548 (0xFF259AD4)
Y _{UV}	125.6290, 42.5809, -77.7276
Hunter-Lab	53.1583, -11.7576, -36.9270

Details

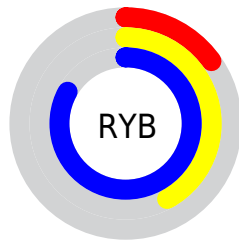
The Yxy color **28.2580, 0.2035, 0.2376** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **22.3173, 0.5418, 0.3829**, and the grayscale version is **20.6079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7765, 0.2296, 0.2708**, and **12.1348, 0.1928, 0.2139** is the 20% darker color. If you saturate the color by 10%, you get **25.7218, 0.1970, 0.2250**, and if you desaturate by 10%, it is **31.1592, 0.2120, 0.2503**.

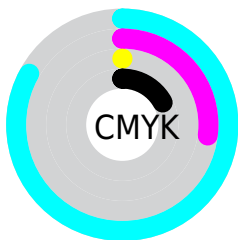
Distribution



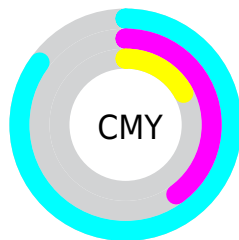
- Red (15%)
- Green (60%)
- Blue (83%)



- Red (15%)
- Yellow (42%)
- Blue (83%)



- Cyan (83%)
- Magenta (27%)
- Yellow (0%)
- Black (17%)




- Cyan (85%)
- Magenta (40%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2580, 0.2035, 0.2376 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 28.2580, 0.2035, 0.2376 by changing the saturation by 10% instead.


 28.2580, 0.2035,
0.2376


 28.2580, 0.2035,
0.2376


293.6977, 0.2594,
0.2861


 18.5202, 0.1896,
0.2250


 56.8961, 0.2239,
0.2557


 11.3241, 0.1720,
0.2086


 76.5652, 0.2315,
0.2624


 6.2853, 0.1493,
0.1869


 100.3136, 0.2380,
0.2680

 3.0193, 0.1194,
0.1572

 128.5255, 0.2435,
0.2727

 1.1418, 0.0804,
0.1160

 161.5855, 0.2483,
0.2768

 0.0134, 0.0000,
0.0034

199.8780, 0.2525,

 0.0000, 0.0000,

0.2803

0.0000

243.7872, 0.2561,
0.2834

■ 28.2580, 0.2035,
0.2376

■ 28.2580, 0.2035,
0.2376

■ 25.7218, 0.1970,
0.2250

■ 31.1592, 0.2120,
0.2503

■ 24.0220, 0.1933,
0.2158

■ 34.4592, 0.2225,
0.2630

■ 38.1898, 0.2347,
0.2754

■ 42.3779, 0.2483,
0.2872

■ 47.0479, 0.2628,
0.2984

■ 52.2219, 0.2780,
0.3088

■ 57.9206, 0.2934,
0.3183

■ 64.1633, 0.3088,
0.3269

■ 70.9682, 0.3240,
0.3347

Harmonies

Analogous

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



28.2580, 0.1973, 0.2737



28.2580, 0.2035, 0.2376



28.2580, 0.2350, 0.2269

Triad

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



28.2580, 0.2035, 0.2376



28.2580, 0.4158, 0.3126



28.2580, 0.3249, 0.4452

Complementary

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



28.2580, 0.2035, 0.2376



22.3173, 0.5418, 0.3829

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.



28.2580, 0.3868, 0.4445



28.2580, 0.2035, 0.2376



28.2580, 0.4437, 0.3624

Square

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



28.2580, 0.2035, 0.2376



28.2580, 0.3565, 0.2690



28.2580, 0.4314, 0.4105



28.2580, 0.2630, 0.4020

Rectangle

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



28.2580, 0.2035, 0.2376



28.2580, 0.2690, 0.2325



28.2580, 0.4314, 0.4105



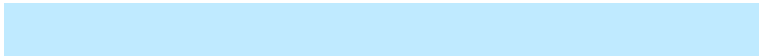
28.2580, 0.3464, 0.4498

Sweetspot

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



28.2590, 0.2035, 0.2376



77.1005, 0.2738, 0.3060



48.2642, 0.2833, 0.5208



15.9025, 0.2684, 0.3024



0.0000, 0.0000, 0.0000



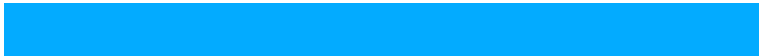
21.4041, 0.3127, 0.3290

Same Dimension

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



28.2590, 0.2035, 0.2376



36.4855, 0.1934, 0.2157



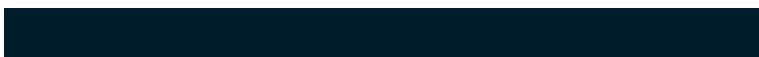
9.4139, 0.1689, 0.1076



13.3820, 0.2982, 0.3211



15.0193, 0.1938, 0.2175



1.0548, 0.1997, 0.2390

Inverse Universe

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



17.6545, 0.4029, 0.2114



24.2681, 0.4278, 0.2134



46.7432, 0.4424, 0.4721



12.5594, 0.3188, 0.3135



9.8611, 0.4259, 0.2120



0.6098, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 28.2580, 0.2035, 0.2376 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 28.2580, 0.2035, 0.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

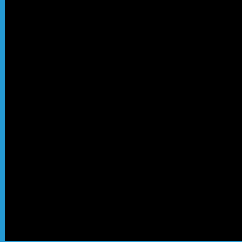
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

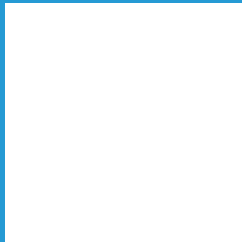
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.2580, 0.2035, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 28.2580, 0.2035, 0.2376.

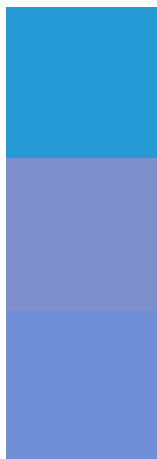


This preview shows how white text looks on a background with the Yxy color 28.2580, 0.2035, 0.2376.

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

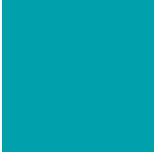
28.2580, 0.2035, 0.2376

Protanopia

27.9702, 0.2471, 0.2400

Deuteranopia

27.9960, 0.2303, 0.2241



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



Original Color

28.2580, 0.2035, 0.2376

Protanomaly

27.3412, 0.2244, 0.2366

Deuteranomaly

27.6538, 0.2165, 0.2275

Tritanomaly

28.1271, 0.2119, 0.2790

Monochromacy



Original Color

28.2580, 0.2035, 0.2376

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.4223, 0.2529, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2580, 0.2035, 0.2376 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(37, 154, 212)` looks like.

```
.text, #text, p{  
    color:rgb(37, 154, 212)  
}
```

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(37, 154, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 154, 212) }
```

Border

The CSS property to change the border of an element to Yxy 28.2580, 0.2035, 0.2376 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(37, 154, 212) }
```

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

```
.border{ border-color:rgb(37, 154, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 154, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 154, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 154, 212);  
box-shadow:4px 4px 4px 4px rgb(37, 154,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2580, 0.2035, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 154, 212) }
```

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

```
.background{ background-color: rgb(37, 154,  
212) }
```

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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