

Converting Colors

$Yxy(28.5381, 0.2062, 0.2431)$

Have a look what the booklet for
Yxy(28.5381, 0.2062, 0.2431)
contains.

Yxy(28.5384, 0.2062, 0.2433)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5384, 0.2062, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	2A9BD1
RGB	42, 155, 209
RGB Percent	16%, 61%, 82%
CMY	0.8353, 0.3922, 0.1803
CMYK	0.80, 0.26, 0.00, 0.18
HSL	199°, 67%, 49%
HSV	199°, 80%, 82%
XYZ	24.1867, 28.5384, 64.5721
YIQ	127.3690, -84.6820, -7.1620

Conversions

Conversions Part 2

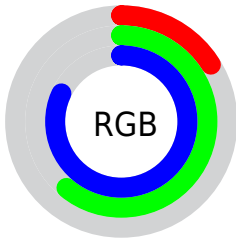
Format	Color
R _Y B	42, 109, 209
Decimal	2792401
CIE Lab	60.37, -12.34, -36.36
CIE LCh	60, 38.394, 251.247
Yxy	28.5384, 0.2062, 0.2433
Android (android.graphics.Color)	4280982481 (0xFF2A9BD1)
YUV	127.3690, 40.2441, -74.8686
Hunter-Lab	53.4213, -12.6709, -34.2708

Details

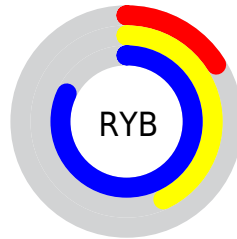
The Yxy color **28.5384, 0.2062, 0.2433** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **22.0954, 0.5344, 0.3821**, and the grayscale version is **21.2375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3983, 0.2307, 0.2722**, and **12.2337, 0.1947, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **26.0199, 0.1993, 0.2310**, and if you desaturate by 10%, it is **31.4144, 0.2152, 0.2557**.

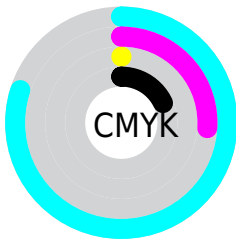
Distribution



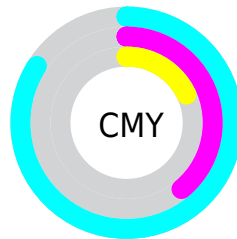
- Red (16%)
- Green (61%)
- Blue (82%)



- Red (16%)
- Yellow (43%)
- Blue (82%)



- Cyan (80%)
- Magenta (26%)
- Yellow (0%)
- Black (18%)



- Cyan (84%)
- Magenta (39%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5384, 0.2062, 0.2433 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 28.5384, 0.2062, 0.2433 by changing the saturation by 10% instead.

■ 28.5384, 0.2062,
0.2433

■ 28.5384, 0.2062,
0.2433

■ 295.0307, 0.2608,
0.2890

■ 18.7319, 0.1926,
0.2313

■ 57.3429, 0.2261,
0.2604

■ 11.4767, 0.1753,
0.2156

■ 77.1097, 0.2336,
0.2667

■ 6.3884, 0.1528,
0.1947

■ 100.9653, 0.2399,
0.2720

■ 3.0827, 0.1231,
0.1657

■ 129.2943, 0.2453,
0.2765

■ 1.1751, 0.0839,
0.1247

■ 162.4809, 0.2500,
0.2803

■ 0.0412, 0.0000,
0.0111

200.9096, 0.2540,

■ 0.0000, 0.0000,

0.2836

0.0000

244.9647, 0.2576,
0.2865

■ 28.5384, 0.2062,
0.2433

■ 28.5384, 0.2062,
0.2433

■ 26.0199, 0.1993,
0.2310

■ 31.4144, 0.2152,
0.2557

■ 23.7969, 0.1942,
0.2189

■ 34.6784, 0.2260,
0.2680

■ 23.7779, 0.1941,
0.2188

■ 38.3598, 0.2385,
0.2799

■ 42.4838, 0.2522,
0.2912

■ 47.0731, 0.2669,
0.3019

■ 52.1486, 0.2821,
0.3118

■ 57.7298, 0.2975,
0.3209

■ 63.8347, 0.3129,
0.3291

■ 70.4807, 0.3279,
0.3364

Harmonies

Analogous

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



28.5384, 0.2023, 0.2804



28.5384, 0.2062, 0.2433



28.5384, 0.2347, 0.2308

Triad

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



28.5384, 0.2062, 0.2433



28.5384, 0.4074, 0.3097



28.5384, 0.3300, 0.4413

Complementary

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



28.5384, 0.2062, 0.2433



22.0954, 0.5344, 0.3821

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.



28.5384, 0.3885, 0.4379



28.5384, 0.2062, 0.2433



28.5384, 0.4373, 0.3575

Square

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



28.5384, 0.2062, 0.2433



28.5384, 0.3493, 0.2684



28.5384, 0.4290, 0.4041



28.5384, 0.2698, 0.4033

Rectangle

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



28.5384, 0.2062, 0.2433



28.5384, 0.2663, 0.2349



28.5384, 0.4290, 0.4041



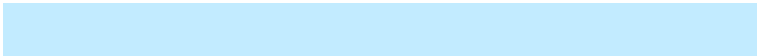
28.5384, 0.3505, 0.4447

Sweetspot

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



28.5394, 0.2062, 0.2433



78.1970, 0.2754, 0.3076



46.9303, 0.2830, 0.5143



16.1306, 0.2699, 0.3040



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.



28.5394, 0.2062, 0.2433



38.2660, 0.1956, 0.2223



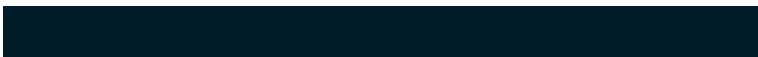
9.8114, 0.1722, 0.1140



12.7355, 0.2983, 0.3213



14.8423, 0.1946, 0.2205



0.9705, 0.2008, 0.2428

Inverse Universe

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



17.5811, 0.3968, 0.2111



24.6089, 0.4205, 0.2105



45.7280, 0.4395, 0.4704



11.9413, 0.3186, 0.3134



9.5696, 0.4227, 0.2102



0.5493, 0.3995, 0.1974

Previews

White Background



This preview shows how the Yxy color 28.5384, 0.2062, 0.2433 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 28.5384, 0.2062, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

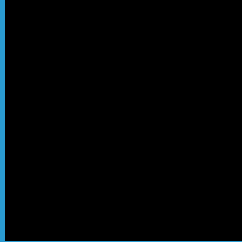
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

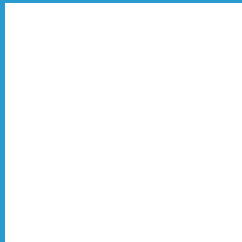
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5384, 0.2062, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 28.5384, 0.2062, 0.2433.

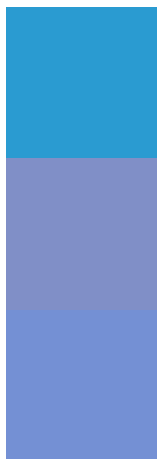


This preview shows how white text looks on a background with the Yxy color 28.5384, 0.2062, 0.2433.

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

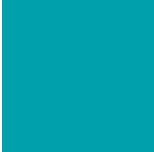
28.5384, 0.2062, 0.2433

Protanopia

28.3576, 0.2517, 0.2458

Deuteranopia

28.4130, 0.2349, 0.2297



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.5384, 0.2062, 0.2433

Protanomaly

27.7206, 0.2286, 0.2424

Deuteranomaly

28.0068, 0.2204, 0.2332

Tritanomaly

28.4430, 0.2131, 0.2824

Monochromacy



Original Color

28.5384, 0.2062, 0.2433

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.8124, 0.2548, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5384, 0.2062, 0.2433 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(42, 155, 209)` looks like.

```
.text, #text, p{  
    color:rgb(42, 155, 209)  
}
```

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(42, 155, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 155, 209) }
```

Border

The CSS property to change the border of an element to Yxy 28.5384, 0.2062, 0.2433 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(42, 155, 209) }
```

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

```
.border{ border-color:rgb(42, 155, 209) }
```

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

Here you see how a box with a 4 pixel rgb(42, 155, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 155, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 155, 209);  
box-shadow:4px 4px 4px 4px rgb(42, 155,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5384, 0.2062, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 155, 209) }
```

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

```
.background{ background-color: rgb(42, 155,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor