

Converting Colors

$Y_{xy}(29.3723, 0.2075, 0.2473)$

Have a look what the booklet for
Yxy(29.3723, 0.2075, 0.2473)
contains.

Yxy(29.2310, 0.2073, 0.2468)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(29.2310, 0.2073, 0.2468)

Conversions

Conversions Part 1

Format	Color
Hex	2B9DD1
RGB	43, 157, 209
RGB Percent	17%, 62%, 82%
CMY	0.8322, 0.3842, 0.1805
CMYK	0.80, 0.25, 0.00, 0.18
HSL	199°, 66%, 49%
HSV	199°, 80%, 82%
XYZ	24.5526, 29.2310, 64.6564
YIQ	128.8420, -84.6360, -7.9960

Conversions

Conversions Part 2

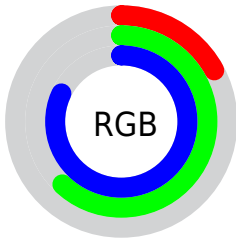
Format	Color
R_{YB}	43, 111, 209
Decimal	2858449
CIE _{Lab}	60.98, -13.39, -35.37
CIE _{LCh}	61, 37.824, 249.259
Yxy	29.2310, 0.2073, 0.2468
Android (android.graphics.Color)	4281048529 (0xFF2B9DD1)
YUV	128.8420, 39.5179, -75.2834
Hunter-Lab	54.0657, -13.5536, -33.0581

Details

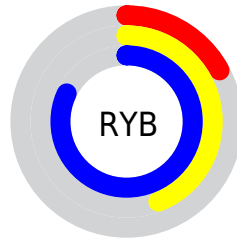
The Yxy color **29.2310, 0.2073, 0.2468** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **21.8634, 0.5353, 0.3801**, and the grayscale version is **21.7557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9518, 0.2319, 0.2762**, and **12.6412, 0.1960, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **26.7399, 0.2005, 0.2349**, and if you desaturate by 10%, it is **32.0731, 0.2162, 0.2587**.

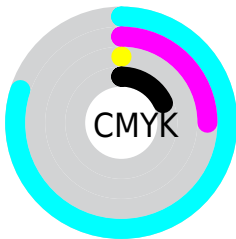
Distribution



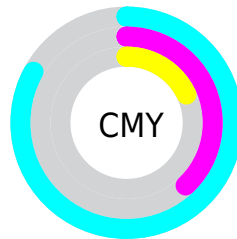
- Red (17%)
- Green (62%)
- Blue (82%)



- Red (17%)
- Yellow (44%)
- Blue (82%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)
- Black (18%)



- Cyan (83%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2310, 0.2073, 0.2468 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 29.2310, 0.2073, 0.2468 by changing the saturation by 10% instead.

■ 29.2310, 0.2073,
0.2468

■ 29.2310, 0.2073,
0.2468

■ 298.3033, 0.2612,
0.2907

■ 19.2556, 0.1939,
0.2352

■ 58.4439, 0.2269,
0.2633

■ 11.8551, 0.1768,
0.2202

■ 78.4502, 0.2343,
0.2693

■ 6.6451, 0.1547,
0.1999

■ 102.5690, 0.2405,
0.2744

■ 3.2412, 0.1255,
0.1718

■ 131.1846, 0.2459,
0.2786

■ 1.2589, 0.0867,
0.1316

■ 164.6814, 0.2505,
0.2823

■ 0.1090, 0.0000,
0.0288

203.4439, 0.2545,

■ 0.0000, 0.0000,

0.2855

0.0000

247.8564, 0.2580,
0.2883

■ 29.2310, 0.2073,
0.2468

■ 29.2310, 0.2073,
0.2468

■ 26.7399, 0.2005,
0.2349

■ 32.0731, 0.2162,
0.2587

■ 24.5410, 0.1954,
0.2232

■ 35.2962, 0.2269,
0.2705

■ 24.4414, 0.1952,
0.2227

■ 38.9292, 0.2393,
0.2820

■ 42.9972, 0.2530,
0.2929

■ 47.5225, 0.2676,
0.3032

■ 52.5258, 0.2827,
0.3127

■ 58.0263, 0.2981,
0.3215

■ 64.0418, 0.3134,
0.3294

■ 70.5895, 0.3285,
0.3364

Harmonies

Analogous

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



29.2310, 0.2052, 0.2848



29.2310, 0.2073, 0.2468



29.2310, 0.2338, 0.2329

Triad

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



29.2310, 0.2073, 0.2468



29.2310, 0.4021, 0.3073



29.2310, 0.3338, 0.4396

Complementary

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



29.2310, 0.2073, 0.2468



21.8634, 0.5353, 0.3801

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.



29.2310, 0.3903, 0.4341



29.2310, 0.2073, 0.2468



29.2310, 0.4337, 0.3540

Square

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



29.2310, 0.2073, 0.2468



29.2310, 0.3443, 0.2673



29.2310, 0.4281, 0.4000



29.2310, 0.2745, 0.4050

Rectangle

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



29.2310, 0.2073, 0.2468



29.2310, 0.2639, 0.2360



29.2310, 0.4281, 0.4000



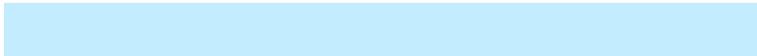
29.2310, 0.3538, 0.4420

Sweetspot

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



29.2320, 0.2073, 0.2468



78.5768, 0.2755, 0.3083



46.8842, 0.2842, 0.5175



16.2224, 0.2700, 0.3048



0.0000, 0.0000, 0.0000



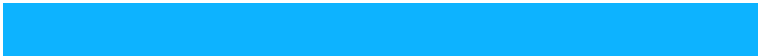
21.4041, 0.3127, 0.3290

Same Dimension

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



29.2320, 0.2073, 0.2468



39.6492, 0.1971, 0.2272



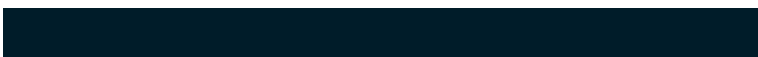
10.2832, 0.1736, 0.1184



12.7575, 0.2983, 0.3216



15.2560, 0.1957, 0.2244



0.9913, 0.2016, 0.2458

Inverse Universe

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



17.6994, 0.3933, 0.2095



24.8068, 0.4152, 0.2079



44.6744, 0.4417, 0.4676



11.9435, 0.3185, 0.3132



9.6114, 0.4186, 0.2080



0.5514, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 29.2310, 0.2073, 0.2468 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 29.2310, 0.2073, 0.2468 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

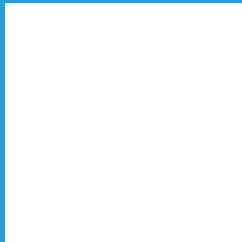
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2310, 0.2073, 0.2468

Background



This preview shows how black text looks on a background with the Yxy color 29.2310, 0.2073, 0.2468.

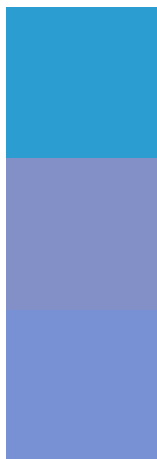


This preview shows how white text looks on a background with the Yxy color 29.2310, 0.2073, 0.2468.

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

29.2310, 0.2073, 0.2468

Protanopia

28.8159, 0.2535, 0.2477

Deuteranopia

28.9973, 0.2379, 0.2319

Trichromacy



Original Color

29.2310, 0.2073, 0.2468

Protanomaly

28.4034, 0.2299, 0.2458

Deuteranomaly

28.4734, 0.2223, 0.2351

Monochromacy



Original Color

29.2310, 0.2073, 0.2468

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5305, 0.2562, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2310, 0.2073, 0.2468 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(43, 157, 209)` looks like.

```
.text, #text, p{  
    color:rgb(43, 157, 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(43, 157, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 157, 209) }
```

Border

The CSS property to change the border of an element to Yxy 29.2310, 0.2073, 0.2468 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(43, 157, 209) }
```

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

```
.border{ border-color:rgb(43, 157, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 157, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 157, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 157, 209);  
box-shadow:4px 4px 4px 4px rgb(43, 157,  
209) }
```

Background

The CSS property to change the background color of an element to Yxy 29.2310, 0.2073, 0.2468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 157, 209) }
```

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

```
.background{ background-color: rgb(43, 157,  
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