

Converting Colors

$Y_{xy}(23.2260, 0.2197, 0.2930)$

Have a look what the booklet for
Yxy(23.2260, 0.2197, 0.2930)
contains.

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Color

Yxy(23.2382, 0.2196, 0.2929)

Conversions

Conversions Part 1

Format	Color
Hex	2091A4
RGB	32, 145, 164
RGB Percent	13%, 57%, 64%
CMY	0.8740, 0.4314, 0.3570
CMYK	0.80, 0.12, 0.00, 0.36
HSL	189°, 67%, 38%
HSV	189°, 80%, 64%
XYZ	17.4227, 23.2382, 38.6774
YIQ	113.3790, -73.4470, -18.0470

Conversions

Conversions Part 2

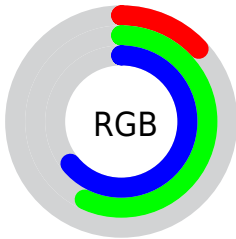
Format	Color
RYB	32, 93, 164
Decimal	2134436
CIELab	55.32, -23.37, -18.68
CIElCh	55, 29.921, 218.639
Yxy	23.2382, 0.2196, 0.2929
Android (android.graphics.Color)	4280324516 (0xFF2091A4)
YUV	113.3790, 24.9562, -71.3694
Hunter-Lab	48.2060, -19.8468, -13.8263

Details

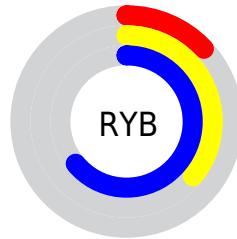
The Yxy color **23.2382, 0.2196, 0.2929** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.3714, 0.5657, 0.3501**, and the grayscale version is **16.5831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7280, 0.2386, 0.3014**, and **9.1753, 0.2110, 0.2794** is the 20% darker color. If you saturate the color by 10%, you get **22.3239, 0.2151, 0.2879**, and if you desaturate by 10%, it is **24.2999, 0.2260, 0.2979**.

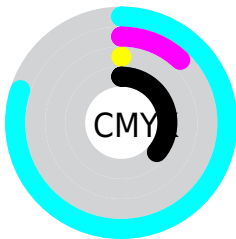
Distribution



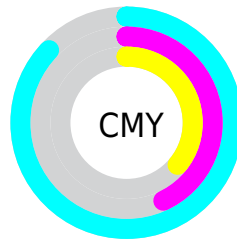
- Red (13%)
- Green (57%)
- Blue (64%)



- Red (13%)
- Yellow (36%)
- Blue (64%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)
- Black (36%)



- Cyan (87%)
- Magenta (43%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2382, 0.2196, 0.2929 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 23.2382, 0.2196, 0.2929 by changing the saturation by 10% instead.

■ 23.2382, 0.2196,
0.2929

■ 23.2382, 0.2196,
0.2929

■ 268.9461, 0.2697,
0.3144

■ 14.7695, 0.2061,
0.2862

■ 48.7842, 0.2386,
0.3016

■ 8.6578, 0.1881,
0.2767

■ 66.6302, 0.2455,
0.3046

■ 4.5186, 0.1634,
0.2623

■ 88.3708, 0.2512,
0.3070

■ 1.9677, 0.1282,
0.2385

■ 114.3904, 0.2561,
0.3090

■ 0.5886, 0.0000,
0.2025

■ 145.0733, 0.2602,
0.3107

■ 0.0000, 0.0000,
0.0000

■ 180.8039, 0.2638,

0.3121

221.9667, 0.2669,
0.3133

■ 23.2382, 0.2196,
0.2929

■ 23.2382, 0.2196,
0.2929

■ 22.3239, 0.2151,
0.2879

■ 24.2999, 0.2260,
0.2979

■ 21.5456, 0.2120,
0.2831

■ 25.5237, 0.2342,
0.3029

■ 26.9250, 0.2442,
0.3078

■ 28.5167, 0.2557,
0.3126

■ 30.3105, 0.2686,
0.3171

■ 32.3168, 0.2825,
0.3213

■ 34.5456, 0.2971,
0.3253

■ 37.0060, 0.3121,
0.3289

■ 39.7066, 0.3273,
0.3321

Harmonies

Analogous

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



23.2382, 0.2408, 0.3431



23.2382, 0.2196, 0.2929



23.2382, 0.2208, 0.2589

Triad

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



23.2382, 0.2196, 0.2929



23.2382, 0.3390, 0.2749



23.2382, 0.3811, 0.4191

Complementary

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



23.2382, 0.2196, 0.2929



10.3714, 0.5657, 0.3501

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.



23.2382, 0.4124, 0.3908



23.2382, 0.2196, 0.2929



23.2382, 0.3882, 0.3100

Square

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



23.2382, 0.2196, 0.2929



23.2382, 0.2858, 0.2519



23.2382, 0.4157, 0.3511



23.2382, 0.3328, 0.4227

Rectangle

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



23.2382, 0.2196, 0.2929



23.2382, 0.2338, 0.2477



23.2382, 0.4157, 0.3511



23.2382, 0.3940, 0.4117

Sweetspot

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



23.2390, 0.2196, 0.2929



57.1591, 0.2767, 0.3196



27.0792, 0.2949, 0.5530



12.2288, 0.2721, 0.3182



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.2390, 0.2196, 0.2929



39.4530, 0.2128, 0.2842



8.7948, 0.1846, 0.1591



7.8367, 0.2988, 0.3257



16.5785, 0.2121, 0.2836



0.3928, 0.2171, 0.3016

Inverse Universe

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



10.9740, 0.3506, 0.1838



17.9983, 0.3594, 0.1768



20.4006, 0.4698, 0.4403



7.1846, 0.3158, 0.3100



7.5177, 0.3601, 0.1758



0.1625, 0.3440, 0.1669

Previews

White Background



This preview shows how the Yxy color 23.2382, 0.2196, 0.2929 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 23.2382, 0.2196, 0.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

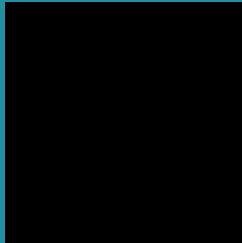
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2382, 0.2196, 0.2929

Background



This preview shows how black text looks on a background with the Yxy color 23.2382, 0.2196, 0.2929.



This preview shows how white text looks on a background with the Yxy color 23.2382, 0.2196, 0.2929.

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

23.2382, 0.2196, 0.2929

Protanopia

23.0777, 0.2852, 0.2899

Deuteranopia

22.9633, 0.2712, 0.2648



Tritanopia

23.2331, 0.2216, 0.3056

Trichromacy



Original Color

23.2382, 0.2196, 0.2929

Protanomaly

22.3523, 0.2506, 0.2889

Deuteranomaly

22.3933, 0.2437, 0.2722

Tritanomaly

23.3427, 0.2212, 0.3019

Monochromacy



Original Color

23.2382, 0.2196, 0.2929

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.2180, 0.2616, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2382, 0.2196, 0.2929 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(32, 145, 164)` looks like.

```
.text, #text, p{  
    color:rgb(32, 145, 164)  
}
```

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(32, 145, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 145, 164) }
```

Border

The CSS property to change the border of an element to Yxy 23.2382, 0.2196, 0.2929 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(32, 145, 164) }
```

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

```
.border{ border-color:rgb(32, 145, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 145, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 145, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 145, 164);  
box-shadow:4px 4px 4px 4px rgb(32, 145,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2382, 0.2196, 0.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 145, 164) }
```

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

```
.background{ background-color: rgb(32, 145,  
164) }
```

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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