

Converting Colors

$Yxy(23.4315, 0.2106, 0.2738)$

Have a look what the booklet for
Yxy(23.4315, 0.2106, 0.2738)
contains.

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Color

Yxy(23.4315, 0.2106, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	0D91AF
RGB	13, 145, 175
RGB Percent	5%, 57%, 69%
CMY	0.9509, 0.4313, 0.3138
CMYK	0.93, 0.17, 0.00, 0.31
HSL	191°, 87%, 37%
HSV	191°, 93%, 69%
XYZ	18.0229, 23.4315, 44.1245
YIQ	108.9520, -88.3020, -18.6540

Conversions

Conversions Part 2

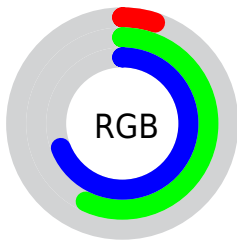
Format	Color
RYB	13, 86, 175
Decimal	889263
CIELab	55.51, -21.00, -24.70
CIElCh	56, 32.420, 229.636
Yxy	23.4315, 0.2106, 0.2738
Android (android.graphics.Color)	4279079343 (0xFF0D91AF)
YUV	108.9520, 32.5617, -84.1499
Hunter-Lab	48.4061, -18.2502, -20.1614

Details

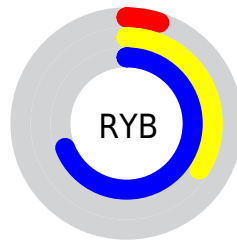
The Yxy color **23.4315, 0.2106, 0.2738** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **10.8321, 0.6017, 0.3506**, and the grayscale version is **15.1633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1032, 0.2310, 0.2859**, and **9.4105, 0.2045, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **22.6512, 0.2081, 0.2691**, and if you desaturate by 10%, it is **24.6276, 0.2152, 0.2804**.

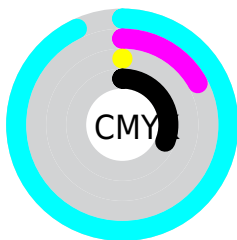
Distribution



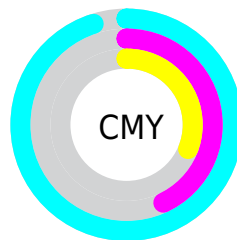
- Red (5%)
- Green (57%)
- Blue (69%)



- Red (5%)
- Yellow (34%)
- Blue (69%)



- Cyan (93%)
- Magenta (17%)
- Yellow (0%)
- Black (31%)



- Cyan (95%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4315, 0.2106, 0.2738 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 23.4315, 0.2106, 0.2738 by changing the saturation by 10% instead.

23.4315, 0.2106,
0.2738

23.4315, 0.2106,
0.2738

269.9336, 0.2650,
0.3056

14.9124, 0.1962,
0.2644

49.1009, 0.2311,
0.2864

8.7580, 0.1773,
0.2513

67.0200, 0.2385,
0.2909

4.5836, 0.1519,
0.2324

88.8413, 0.2448,
0.2945

2.0051, 0.1166,
0.2030

114.9491, 0.2501,
0.2975

0.6104, 0.0174,
0.1569

145.7278, 0.2546,
0.3000

0.0000, 0.0000,
0.0000

181.5619, 0.2585,

0.3021

222.8357, 0.2620,
0.3040

■ 23.4315, 0.2106,
0.2738

■ 23.4315, 0.2106,
0.2738

■ 22.6512, 0.2081,
0.2691

■ 24.6276, 0.2152,
0.2804

■ 25.9972, 0.2216,
0.2870

■ 27.5626, 0.2300,
0.2936

■ 29.3417, 0.2401,
0.3000

■ 31.3502, 0.2517,
0.3063

■ 33.6021, 0.2647,
0.3122

■ 36.1104, 0.2787,
0.3178

■ 38.8868, 0.2933,
0.3230

■ 41.9424, 0.3084,
0.3277

Harmonies

Analogous

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



23.4315, 0.2243, 0.3227



23.4315, 0.2106, 0.2738



23.4315, 0.2206, 0.2458

Triad

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



23.4315, 0.2106, 0.2738



23.4315, 0.3620, 0.2835



23.4315, 0.3683, 0.4316

Complementary

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



23.4315, 0.2106, 0.2738



10.8321, 0.6017, 0.3506

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.



23.4315, 0.4105, 0.4083



23.4315, 0.2106, 0.2738



23.4315, 0.4088, 0.3240

Square

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



23.4315, 0.2106, 0.2738



23.4315, 0.3038, 0.2536



23.4315, 0.4266, 0.3683



23.4315, 0.3132, 0.4234

Rectangle

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



23.4315, 0.2106, 0.2738



23.4315, 0.2399, 0.2395



23.4315, 0.4266, 0.3683



23.4315, 0.3845, 0.4267

Sweetspot

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



23.4323, 0.2106, 0.2738



62.0886, 0.2707, 0.3147



30.9073, 0.2937, 0.5706



13.3886, 0.2648, 0.3123



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.4323, 0.2106, 0.2738



40.2742, 0.2078, 0.2680



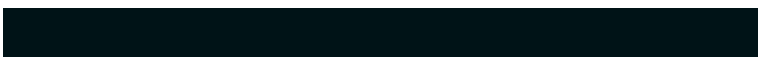
6.8404, 0.1679, 0.1181



8.8170, 0.2986, 0.3247



16.3063, 0.2083, 0.2699



0.5178, 0.2138, 0.2896

Inverse Universe

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



11.4334, 0.3689, 0.1840



19.8289, 0.3747, 0.1838



23.4415, 0.4796, 0.4515



8.1223, 0.3165, 0.3107



7.9492, 0.3729, 0.1828



0.2276, 0.3547, 0.1727

Previews

White Background



This preview shows how the Yxy color 23.4315, 0.2106, 0.2738 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 23.4315, 0.2106, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

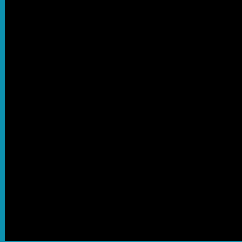
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4315, 0.2106, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 23.4315, 0.2106, 0.2738.

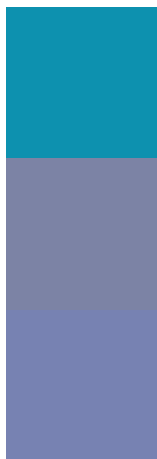


This preview shows how white text looks on a background with the Yxy color 23.4315, 0.2106, 0.2738.

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

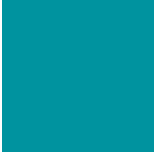
23.4315, 0.2106, 0.2738

Protanopia

23.2343, 0.2722, 0.2723

Deuteranopia

23.1016, 0.2566, 0.2509



Tritanopia

23.3706, 0.2182, 0.3055

Trichromacy



Original Color

23.4315, 0.2106, 0.2738

Protanomaly

22.3119, 0.2363, 0.2699

Deuteranomaly

22.2077, 0.2290, 0.2554

Tritanomaly

23.3066, 0.2152, 0.2927

Monochromacy



Original Color

23.4315, 0.2106, 0.2738

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.0684, 0.2511, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4315, 0.2106, 0.2738 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(13, 145, 175)` looks like.

```
.text, #text, p{  
  color:rgb(13, 145, 175)  
}
```

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(13, 145, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 145, 175) }
```

Border

The CSS property to change the border of an element to Yxy 23.4315, 0.2106, 0.2738 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(13, 145, 175) }
```

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

```
.border{ border-color:rgb(13, 145, 175) }
```

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

Here you see how a box with a 4 pixel rgb(13, 145, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 145, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 145, 175);  
box-shadow:4px 4px 4px 4px rgb(13, 145,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4315, 0.2106, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 145, 175) }
```

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

```
.background{ background-color: rgb(13, 145,  
175) }
```

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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