

Converting Colors

$Yxy(23.2160, 0.2311, 0.3426)$

Have a look what the booklet for
Yxy(23.2160, 0.2311, 0.3426)
contains.

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Color

Yxy(23.2413, 0.2312, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	13948D
RGB	19, 148, 141
RGB Percent	7%, 58%, 55%
CMY	0.9252, 0.4196, 0.4471
CMYK	0.87, 0.00, 0.05, 0.42
HSL	177°, 77%, 33%
HSV	177°, 87%, 58%
XYZ	15.6659, 23.2413, 28.8517
YIQ	108.6310, -74.6370, -29.5250

Conversions

Conversions Part 2

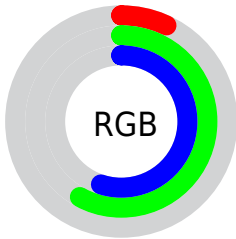
Format	Color
R_{YB}	19, 85, 148
Decimal	1283213
CIE _{Lab}	55.32, -33.27, -5.49
CIE _{LCh}	55, 33.723, 189.377
Yxy	23.2413, 0.2312, 0.3430
Android (android.graphics.Color)	4279473293 (0xFF13948D)
YUV	108.6310, 15.9579, -78.6064
Hunter-Lab	48.2092, -26.3616, -1.7368

Details

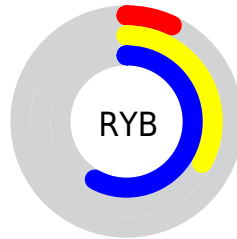
The Yxy color **23.2413, 0.2312, 0.3430** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.8394, 0.5985, 0.3240**, and the grayscale version is **15.1592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9792, 0.2482, 0.3404**, and **9.1211, 0.2288, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **23.1067, 0.2296, 0.3447**, and if you desaturate by 10%, it is **23.4650, 0.2343, 0.3412**.

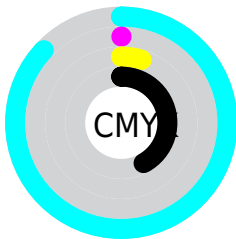
Distribution



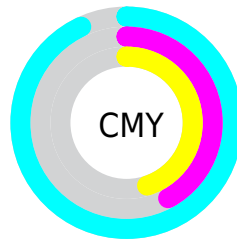
- Red (7%)
- Green (58%)
- Blue (55%)



- Red (7%)
- Yellow (33%)
- Blue (58%)



- Cyan (87%)
- Magenta (0%)
- Yellow (5%)
- Black (42%)





- Cyan (93%)
- Magenta (42%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2413, 0.2312, 0.3430 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 23.2413, 0.2312, 0.3430 by changing the saturation by 10% instead.


 23.2413, 0.2312,
0.3430


 23.2413, 0.2312,
0.3430


268.9619, 0.2758,
0.3361


 14.7718, 0.2187,
0.3445


 48.7892, 0.2484,
0.3406


 8.6594, 0.2019,
0.3463


 66.6364, 0.2545,
0.3397


 4.5197, 0.1780,
0.3482

 88.3783, 0.2596,
0.3388


 1.9683, 0.1420,
0.3493

 114.3993, 0.2639,
0.3382

 0.5890, 0.0000,
0.3645

 145.0838, 0.2675,
0.3375

 0.0000, 0.0000,
0.0000

 180.8161, 0.2706,

0.3370

221.9807, 0.2734,
0.3365

■ 23.2413, 0.2312,
0.3430

■ 23.2413, 0.2312,
0.3430

■ 23.1067, 0.2296,
0.3447

■ 23.4650, 0.2343,
0.3412

■ 23.0722, 0.2292,
0.3453

■ 23.7962, 0.2392,
0.3395

■ 24.2482, 0.2459,
0.3377

■ 24.8317, 0.2544,
0.3360

■ 25.5563, 0.2646,
0.3343

■ 26.4305, 0.2761,
0.3328

■ 27.4624, 0.2889,
0.3313

■ 28.6593, 0.3026,
0.3299

■ 30.0282, 0.3169,
0.3287

Harmonies

Analogous

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



23.2413, 0.2759, 0.4017



23.2413, 0.2312, 0.3430



23.2413, 0.2087, 0.2865

Triad

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



23.2413, 0.2312, 0.3430



23.2413, 0.2836, 0.2438



23.2413, 0.4239, 0.3981

Complementary

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



23.2413, 0.2312, 0.3430



6.8394, 0.5985, 0.3240

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.



23.2413, 0.4292, 0.3537



23.2413, 0.2312, 0.3430



23.2413, 0.3435, 0.2695

Square

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



23.2413, 0.2312, 0.3430



23.2413, 0.2366, 0.2361



23.2413, 0.3989, 0.3084



23.2413, 0.3876, 0.4305

Rectangle

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



23.2413, 0.2312, 0.3430



23.2413, 0.2074, 0.2593



23.2413, 0.3989, 0.3084



23.2413, 0.4296, 0.3840

Sweetspot

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



23.2422, 0.2312, 0.3430



46.7339, 0.2769, 0.3327



21.4700, 0.3036, 0.5831



10.5503, 0.2731, 0.3331



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.2422, 0.2312, 0.3430



40.7002, 0.2293, 0.3456



9.9549, 0.1935, 0.2038



6.5568, 0.2997, 0.3302



19.7081, 0.2292, 0.3451



0.2426, 0.2268, 0.3363

Inverse Universe

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



6.8394, 0.5985, 0.3240



11.1316, 0.6346, 0.3270



11.3679, 0.5256, 0.4025



5.8202, 0.3274, 0.3278



5.3942, 0.6320, 0.3255



0.0670, 0.5948, 0.3050

Previews

White Background



This preview shows how the Yxy color 23.2413, 0.2312, 0.3430 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 23.2413, 0.2312, 0.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

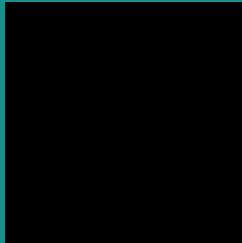
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2413, 0.2312, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 23.2413, 0.2312, 0.3430.



This preview shows how white text looks on a background with the Yxy color 23.2413, 0.2312, 0.3430.

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

23.2413, 0.2312, 0.3430

Protanopia

22.9396, 0.3162, 0.3290

Deuteranopia

22.8860, 0.3060, 0.3004



Tritanopia

23.3854, 0.2253, 0.3076

Trichromacy



Original Color

23.2413, 0.2312, 0.3430



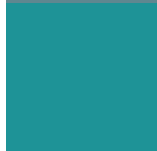
Protanomaly

21.9159, 0.2692, 0.3327



Deuteranomaly

21.7745, 0.2638, 0.3119



Tritanomaly

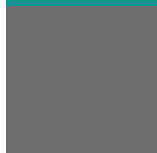
23.3778, 0.2272, 0.3209

Monochromacy



Original Color

23.2413, 0.2312, 0.3430



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.0829, 0.2636, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2413, 0.2312, 0.3430 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(19, 148, 141)` looks like.

```
.text, #text, p{  
    color:rgb(19, 148, 141)  
}
```

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(19, 148, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 148, 141) }
```

Border

The CSS property to change the border of an element to Yxy 23.2413, 0.2312, 0.3430 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(19, 148, 141) }
```

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

```
.border{ border-color:rgb(19, 148, 141) }
```

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

Here you see how a box with a 4 pixel rgb(19, 148, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 148, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 148, 141);  
box-shadow:4px 4px 4px 4px rgb(19, 148,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2413, 0.2312, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 148, 141) }
```

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

```
.background{ background-color: rgb(19, 148,  
141) }
```

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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