

Converting Colors

$Yxy(24.7052, 0.2195, 0.3039)$

Have a look what the booklet for
Yxy(24.7052, 0.2195, 0.3039)
contains.

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Color

Yxy(24.6032, 0.2190, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	1096A4
RGB	16, 150, 164
RGB Percent	6%, 59%, 64%
CMY	0.9385, 0.4117, 0.3568
CMYK	0.90, 0.09, 0.00, 0.36
HSL	186°, 83%, 35%
HSV	186°, 90%, 64%
XYZ	17.8178, 24.6032, 38.9388
YIQ	111.5300, -84.3580, -24.0540

Conversions

Conversions Part 2

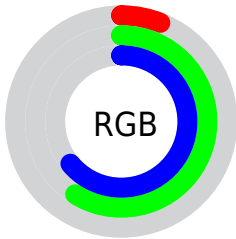
Format	Color
RYB	16, 86, 164
Decimal	1087140
CIELab	56.69, -27.15, -16.64
CIELCh	57, 31.839, 211.508
Yxy	24.6032, 0.2190, 0.3024
Android (android.graphics.Color)	4279277220 (0xFF1096A4)
YUV	111.5300, 25.8677, -83.7798
Hunter-Lab	49.6016, -22.6824, -11.8233

Details

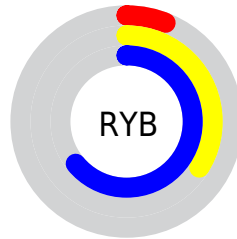
The Yxy color **24.6032, 0.2190, 0.3024** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.8440, 0.6088, 0.3394**, and the grayscale version is **15.9738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2100, 0.2379, 0.3097**, and **10.0935, 0.2149, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **24.0267, 0.2165, 0.2994**, and if you desaturate by 10%, it is **25.3028, 0.2229, 0.3056**.

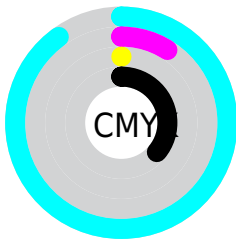
Distribution



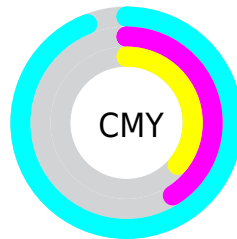
- Red (6%)
- Green (59%)
- Blue (64%)



- Red (6%)
- Yellow (34%)
- Blue (64%)



- Cyan (90%)
- Magenta (9%)
- Yellow (0%)
- Black (36%)





- Cyan (94%)
- Magenta (41%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6032, 0.2190, 0.3024 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 24.6032, 0.2190, 0.3024 by changing the saturation by 10% instead.


 24.6032, 0.2190,
0.3024


 24.6032, 0.2190,
0.3024


 275.8560, 0.2690,
0.3186


 15.7817, 0.2056,
0.2972


 51.0128, 0.2379,
0.3091

 9.3698, 0.1879,
0.2897


 69.3696, 0.2448,
0.3114


 4.9832, 0.1638,
0.2781

 91.6736, 0.2505,
0.3132

 2.2374, 0.1294,
0.2587

 118.3093, 0.2553,
0.3147

 0.7403, 0.0130,
0.2357

 149.6610, 0.2595,
0.3159

 0.0000, 0.0000,
0.0000

 186.1131, 0.2631,

0.3169

228.0500, 0.2662,
0.3178

■ 24.6032, 0.2190,
0.3024

■ 24.6032, 0.2190,
0.3024

■ 24.0267, 0.2165,
0.2994

■ 25.3028, 0.2229,
0.3056

■ 26.1389, 0.2286,
0.3088

■ 27.1295, 0.2362,
0.3120

■ 28.2891, 0.2456,
0.3152

■ 29.6305, 0.2566,
0.3182

■ 31.1654, 0.2690,
0.3212

■ 32.9042, 0.2826,
0.3239

■ 34.8568, 0.2970,
0.3265

■ 37.0322, 0.3121,
0.3289

Harmonies

Analogous

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



24.6032, 0.2461, 0.3571



24.6032, 0.2190, 0.3024



24.6032, 0.2148, 0.2623

Triad

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



24.6032, 0.2190, 0.3024



24.6032, 0.3265, 0.2657



24.6032, 0.3937, 0.4175

Complementary

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



24.6032, 0.2190, 0.3024



8.8440, 0.6088, 0.3394

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.



24.6032, 0.4204, 0.3838



24.6032, 0.2190, 0.3024



24.6032, 0.3807, 0.2996

Square

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



24.6032, 0.2190, 0.3024



24.6032, 0.2727, 0.2457



24.6032, 0.4163, 0.3413



24.6032, 0.3463, 0.4291

Rectangle

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



24.6032, 0.2190, 0.3024



24.6032, 0.2248, 0.2474



24.6032, 0.4163, 0.3413



24.6032, 0.4055, 0.4080

Sweetspot

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



24.6041, 0.2190, 0.3024



57.4426, 0.2729, 0.3220



26.7481, 0.2978, 0.5816



12.3466, 0.2686, 0.3211



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.



24.6041, 0.2190, 0.3024



43.4369, 0.2163, 0.2988



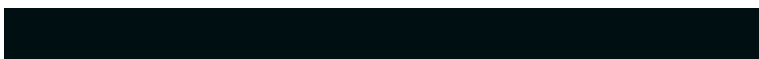
8.1653, 0.1779, 0.1513



7.8964, 0.2988, 0.3268



18.4561, 0.2166, 0.2997



0.4187, 0.2198, 0.3112

Inverse Universe

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



10.4580, 0.3430, 0.1708



18.2201, 0.3465, 0.1682



17.4755, 0.4989, 0.4321



7.1906, 0.3151, 0.3089



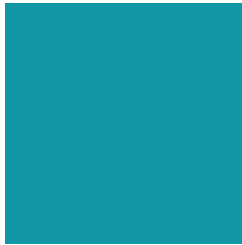
7.7073, 0.3457, 0.1678



0.1651, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 24.6032, 0.2190, 0.3024 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 24.6032, 0.2190, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

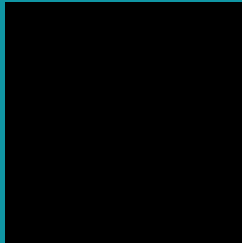
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6032, 0.2190, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 24.6032, 0.2190, 0.3024.

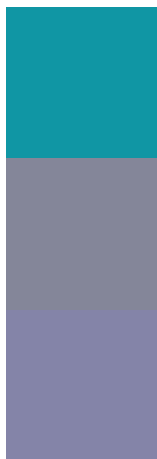


This preview shows how white text looks on a background with the Yxy color 24.6032, 0.2190, 0.3024.

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

24.6032, 0.2190, 0.3024

Protanopia

24.2556, 0.2915, 0.2972

Deuteranopia

24.2352, 0.2775, 0.2708



Tritanopia

24.4925, 0.2195, 0.3060

Trichromacy



Original Color

24.6032, 0.2190, 0.3024



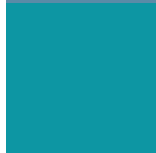
Protanomaly

23.3641, 0.2510, 0.2980



Deuteranomaly

23.4289, 0.2436, 0.2794



Tritanomaly

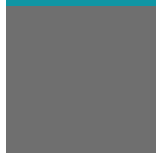
24.5426, 0.2192, 0.3042

Monochromacy



Original Color

24.6032, 0.2190, 0.3024



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

17.8154, 0.2563, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6032, 0.2190, 0.3024 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(16, 150, 164)` looks like.

```
.text, #text, p{  
    color:rgb(16, 150, 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(16, 150, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 150, 164) }
```

Border

The CSS property to change the border of an element to Yxy 24.6032, 0.2190, 0.3024 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(16, 150, 164) }
```

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

```
.border{ border-color:rgb(16, 150, 164) }
```

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

Here you see how a box with a 4 pixel rgb(16, 150, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 150, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 150, 164);  
box-shadow:4px 4px 4px 4px rgb(16, 150,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6032, 0.2190, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 150, 164) }
```

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

```
.background{ background-color: rgb(16, 150,  
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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