

Converting Colors

$Y_{xy}(24.2746, 0.2230, 0.3171)$

Have a look what the booklet for
Yxy(24.2746, 0.2230, 0.3171)
contains.

Yxy(24.3064, 0.2230, 0.3172)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.3064, 0.2230, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	0E969C
RGB	14, 150, 156
RGB Percent	5%, 59%, 61%
CMY	0.9446, 0.4118, 0.3883
CMYK	0.91, 0.04, 0.00, 0.39
HSL	183°, 83%, 33%
HSV	183°, 91%, 61%
XYZ	17.0880, 24.3064, 35.2336
YIQ	110.0200, -82.9820, -26.9660

Conversions

Conversions Part 2

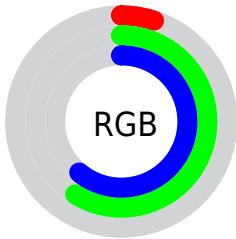
Format	Color
R_{YB}	14, 83, 156
Decimal	956060
CIE _{Lab}	56.39, -29.84, -12.49
CIE _{LCh}	56, 32.351, 202.715
Yxy	24.3064, 0.2230, 0.3172
Android (android.graphics.Color)	4279146140 (0xFF0E969C)
YUV	110.0200, 22.6681, -84.2095
Hunter-Lab	49.3015, -24.4091, -7.8608

Details

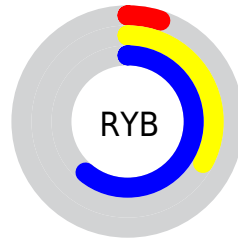
The Yxy color **24.3064, 0.2230, 0.3172** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.6022, 0.6160, 0.3336**, and the grayscale version is **15.5623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6955, 0.2417, 0.3218**, and **9.9436, 0.2200, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **24.0232, 0.2211, 0.3160**, and if you desaturate by 10%, it is **24.6952, 0.2262, 0.3186**.

Distribution



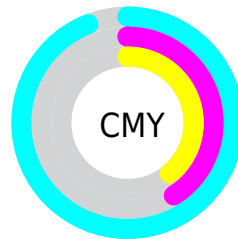
- Red (5%)
- Green (59%)
- Blue (61%)



- Red (5%)
- Yellow (33%)
- Blue (61%)



- Cyan (91%)
- Magenta (4%)
- Yellow (0%)
- Black (39%)



- Cyan (94%)
- Magenta (41%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3064, 0.2230, 0.3172 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 24.3064, 0.2230, 0.3172 by changing the saturation by 10% instead.


 24.3064, 0.2230,
0.3172

 24.3064, 0.2230,
0.3172


274.3659, 0.2712,
0.3252


 15.5611, 0.2099,
0.3143


 50.5297, 0.2413,
0.3207

 9.2141, 0.1925,
0.3099


 68.7765, 0.2480,
0.3218


 4.8811, 0.1685,
0.3026

 90.9593, 0.2535,
0.3227

 2.1777, 0.1336,
0.2893

 117.4623, 0.2581,
0.3234

 0.7078, 0.0000,
0.2804

 148.6701, 0.2621,
0.3240

 0.0000, 0.0000,
0.0000

 184.9671, 0.2656,

0.3245

226.7375, 0.2686,
0.3248

■ 24.3064, 0.2230,
0.3172

■ 24.3064, 0.2230,
0.3172

■ 24.0232, 0.2211,
0.3160

■ 24.6952, 0.2262,
0.3186

■ 25.2002, 0.2312,
0.3200

■ 25.8373, 0.2381,
0.3214

■ 26.6196, 0.2468,
0.3227

■ 27.5582, 0.2571,
0.3241

■ 28.6635, 0.2690,
0.3254

■ 29.9449, 0.2822,
0.3266

■ 31.4108, 0.2964,
0.3278

■ 33.0695, 0.3113,
0.3289

Harmonies

Analogous

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



24.3064, 0.2569, 0.3743



24.3064, 0.2230, 0.3172



24.3064, 0.2118, 0.2708

Triad

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



24.3064, 0.2230, 0.3172



24.3064, 0.3098, 0.2569



24.3064, 0.4060, 0.4107

Complementary

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



24.3064, 0.2230, 0.3172



7.6022, 0.6160, 0.3336

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.



24.3064, 0.4249, 0.3724



24.3064, 0.2230, 0.3172



24.3064, 0.3669, 0.2878

Square

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



24.3064, 0.2230, 0.3172



24.3064, 0.2582, 0.2415



24.3064, 0.4107, 0.3286



24.3064, 0.3623, 0.4309

Rectangle

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



24.3064, 0.2230, 0.3172



24.3064, 0.2175, 0.2513



24.3064, 0.4107, 0.3286



24.3064, 0.4156, 0.3992

Sweetspot

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



24.3073, 0.2230, 0.3172



52.8323, 0.2734, 0.3258



23.9108, 0.2995, 0.5878



11.4724, 0.2694, 0.3254



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



24.3073, 0.2230, 0.3172



43.5711, 0.2210, 0.3157



8.2797, 0.1818, 0.1659



7.4615, 0.2988, 0.3280



19.8067, 0.2211, 0.3161



0.3673, 0.2227, 0.3215

Inverse Universe

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



9.5856, 0.3303, 0.1635



16.7958, 0.3318, 0.1602



14.3740, 0.5114, 0.4218



6.7498, 0.3144, 0.3079



7.6217, 0.3315, 0.1600



0.1376, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 24.3064, 0.2230, 0.3172 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 24.3064, 0.2230, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

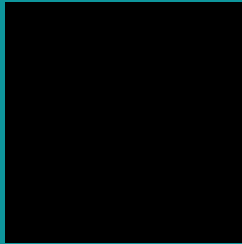
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3064, 0.2230, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 24.3064, 0.2230, 0.3172.



This preview shows how white text looks on a background with the Yxy color 24.3064, 0.2230, 0.3172.

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

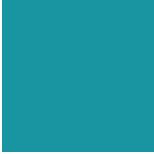
24.3064, 0.2230, 0.3172

Protanopia

24.1629, 0.3015, 0.3104

Deuteranopia

23.9216, 0.2878, 0.2816



Tritanopia

24.2623, 0.2214, 0.3060

Trichromacy



Original Color

24.3064, 0.2230, 0.3172



Protanomaly

23.0998, 0.2570, 0.3121



Deuteranomaly

22.9043, 0.2497, 0.2908



Tritanomaly

24.1468, 0.2217, 0.3096

Monochromacy



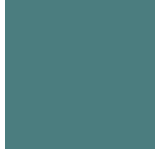
Original Color

24.3064, 0.2230, 0.3172



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.6954, 0.2580, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3064, 0.2230, 0.3172 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(14, 150, 156)` looks like.

```
.text, #text, p{  
    color:rgb(14, 150, 156)  
}
```

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(14, 150, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 150, 156) }
```

Border

The CSS property to change the border of an element to Yxy 24.3064, 0.2230, 0.3172 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(14, 150, 156) }
```

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

```
.border{ border-color:rgb(14, 150, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 150, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 150, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 150, 156);  
box-shadow:4px 4px 4px 4px rgb(14, 150,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3064, 0.2230, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 150, 156) }
```

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

```
.background{ background-color: rgb(14, 150,  
156) }
```

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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