

Converting Colors

$Y_{xy}(24.1282, 0.2495, 0.3692)$

Have a look what the booklet for
Yxy(24.1282, 0.2495, 0.3692)
contains.

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Color

$\text{Yxy}(24.1282, 0.2495, 0.3692)$

Conversions

Conversions Part 1

Format	Color
Hex	339682
RGB	51, 150, 130
RGB Percent	20%, 59%, 51%
CMY	0.7995, 0.4118, 0.4902
CMYK	0.66, 0.00, 0.13, 0.41
HSL	168°, 49%, 39%
HSV	168°, 66%, 59%
XYZ	16.3055, 24.1282, 24.9190
YIQ	118.1190, -52.5840, -27.2080

Conversions

Conversions Part 2

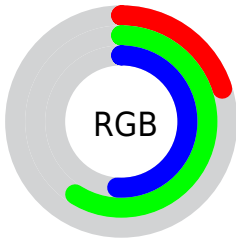
Format	Color
RYB	51, 106, 150
Decimal	3380866
CIELab	56.22, -33.45, 2.17
CIElCh	56, 33.523, 176.281
Yxy	24.1282, 0.2495, 0.3692
Android (android.graphics.Color)	4281570946 (0xFF339682)
YUV	118.1190, 5.8573, -58.8634
Hunter-Lab	49.1205, -26.7079, 4.3063

Details

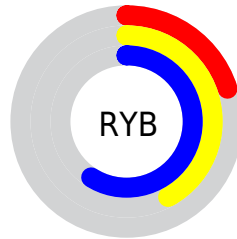
The Yxy color **24.1282, 0.2495, 0.3692** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.3177, 0.4775, 0.2985**, and the grayscale version is **18.1600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3965, 0.2633, 0.3605**, and **9.3294, 0.2393, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **23.7192, 0.2454, 0.3764**, and if you desaturate by 10%, it is **24.6672, 0.2554, 0.3622**.

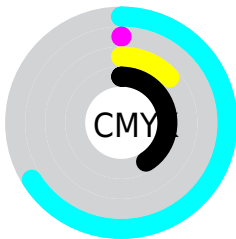
Distribution



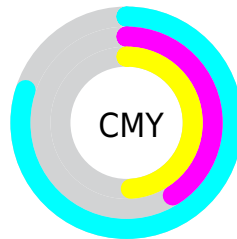
- Red (20%)
- Green (59%)
- Blue (51%)



- Red (20%)
- Yellow (42%)
- Blue (59%)



- Cyan (66%)
- Magenta (0%)
- Yellow (13%)
- Black (41%)




- Cyan (80%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1282, 0.2495, 0.3692 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 24.1282, 0.2495, 0.3692 by changing the saturation by 10% instead.


 24.1282, 0.2495,
0.3692


 24.1282, 0.2495,
0.3692


273.4680, 0.2845,
0.3467

 15.4287, 0.2395,
0.3758


 50.2393, 0.2631,
0.3604


 9.1208, 0.2257,
0.3849


 68.4198, 0.2679,
0.3573

 4.8201, 0.2058,
0.3983

 90.5294, 0.2719,
0.3547

 2.1421, 0.1746,
0.4199

 116.9525, 0.2753,
0.3526

 0.6881, 0.0000,
0.5354

 148.0735, 0.2781,
0.3508

 0.0000, 0.0000,
0.0000

184.2768, 0.2805,

0.3492

225.9468, 0.2826,
0.3479

■ 24.1282, 0.2495,
0.3692

■ 24.1282, 0.2495,
0.3692

■ 23.7192, 0.2454,
0.3764

■ 24.6672, 0.2554,
0.3622

■ 23.4249, 0.2432,
0.3836

■ 25.3445, 0.2630,
0.3553

■ 23.2281, 0.2427,
0.3908

■ 26.1706, 0.2720,
0.3488

■ 23.1585, 0.2427,
0.3937

■ 27.1544, 0.2823,
0.3427

■ 28.3042, 0.2935,
0.3371

■ 29.6275, 0.3055,
0.3319

■ 31.1315, 0.3178,
0.3271

■ 32.8228, 0.3303,
0.3229

■ 34.7079, 0.3429,
0.3191

Harmonies

Analogous

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



24.1282, 0.3005, 0.4189



24.1282, 0.2495, 0.3692



24.1282, 0.2172, 0.3099

Triad

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



24.1282, 0.2495, 0.3692



24.1282, 0.2617, 0.2395



24.1282, 0.4285, 0.3788

Complementary

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



24.1282, 0.2495, 0.3692



9.3177, 0.4775, 0.2985

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.



24.1282, 0.4181, 0.3336



24.1282, 0.2495, 0.3692



24.1282, 0.3166, 0.2575

Square

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



24.1282, 0.2495, 0.3692



24.1282, 0.2240, 0.2407



24.1282, 0.3755, 0.2909



24.1282, 0.4050, 0.4173

Rectangle

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



24.1282, 0.2495, 0.3692



24.1282, 0.2088, 0.2770



24.1282, 0.3755, 0.2909



24.1282, 0.4290, 0.3639

Sweetspot

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



24.1291, 0.2495, 0.3692



49.0108, 0.2884, 0.3395



23.4490, 0.3189, 0.5259



10.7489, 0.2856, 0.3410



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.



24.1291, 0.2495, 0.3692



41.5989, 0.2442, 0.3797



16.8225, 0.2230, 0.2712



6.5424, 0.3015, 0.3335



19.2139, 0.2426, 0.3932



0.2393, 0.2331, 0.3591

Inverse Universe

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



9.3177, 0.4775, 0.2985



13.4712, 0.5363, 0.2993



12.3346, 0.4843, 0.3738



5.8334, 0.3252, 0.3245



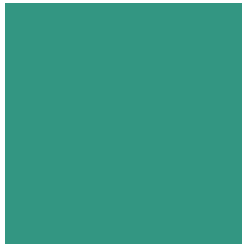
5.4608, 0.6017, 0.3088



0.0703, 0.5058, 0.2560

Previews

White Background



This preview shows how the Yxy color 24.1282, 0.2495, 0.3692 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 24.1282, 0.2495, 0.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

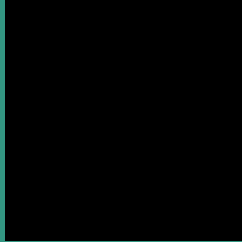
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1282, 0.2495, 0.3692

Background



This preview shows how black text looks on a background with the Yxy color 24.1282, 0.2495, 0.3692.

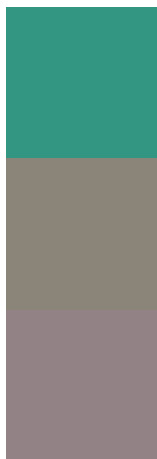


This preview shows how white text looks on a background with the Yxy color 24.1282, 0.2495, 0.3692.

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

24.1282, 0.2495, 0.3692

Protanopia

23.6445, 0.3326, 0.3498

Deuteranopia

23.7975, 0.3270, 0.3224



Tritanopia

24.0832, 0.2354, 0.3064

Trichromacy



Original Color

24.1282, 0.2495, 0.3692

Protanomaly

23.0463, 0.2936, 0.3573

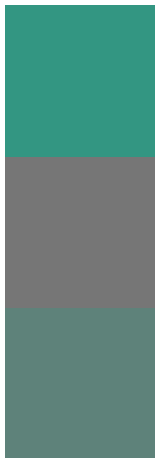
Deuteranomaly

22.9643, 0.2890, 0.3363

Tritanomaly

23.9354, 0.2401, 0.3269

Monochromacy



Original Color

24.1282, 0.2495, 0.3692

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.7501, 0.2815, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1282, 0.2495, 0.3692 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(51, 150, 130)` looks like.

```
.text, #text, p{  
  color:rgb(51, 150, 130)  
}
```

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(51, 150, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 150, 130) }
```

Border

The CSS property to change the border of an element to Yxy 24.1282, 0.2495, 0.3692 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(51, 150, 130) }
```

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

```
.border{ border-color:rgb(51, 150, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 150, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 150, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 150, 130);  
box-shadow:4px 4px 4px 4px rgb(51, 150,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1282, 0.2495, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 150, 130) }
```

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

```
.background{ background-color: rgb(51, 150,  
130) }
```

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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