

Converting Colors

$Yxy(24.1861, 0.2401, 0.3753)$

Have a look what the booklet for
Yxy(24.1861, 0.2401, 0.3753)
contains.

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Color

$\text{Yxy}(24.1701, 0.2404, 0.3763)$

Conversions

Conversions Part 1

Format	Color
Hex	129881
RGB	18, 152, 129
RGB Percent	7%, 60%, 51%
CMY	0.9291, 0.4039, 0.4941
CMYK	0.88, 0.00, 0.15, 0.40
HSL	170°, 79%, 33%
HSV	170°, 88%, 60%
XYZ	15.4411, 24.1701, 24.6197
YIQ	109.3120, -72.4810, -35.5610

Conversions

Conversions Part 2

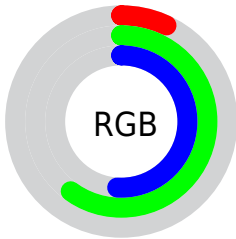
Format	Color
R_{YB}	18, 91, 152
Decimal	1218689
CIE _{Lab}	56.26, -38.63, 2.74
CIE _{LCh}	56, 38.728, 175.946
Yxy	24.1701, 0.2404, 0.3763
Android (android.graphics.Color)	4279408769 (0xFF129881)
YUV	109.3120, 9.7062, -80.0806
Hunter-Lab	49.1631, -29.9722, 4.7231

Details

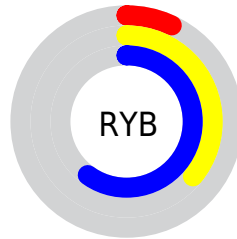
The Yxy color **24.1701, 0.2404, 0.3763** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.2716, 0.5741, 0.3077**, and the grayscale version is **15.3811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2784, 0.2557, 0.3655**, and **9.6935, 0.2417, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **23.9917, 0.2399, 0.3823**, and if you desaturate by 10%, it is **24.4400, 0.2424, 0.3703**.

Distribution



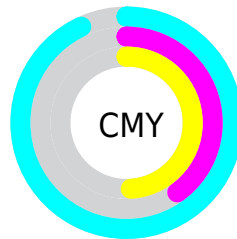
- Red (7%)
- Green (60%)
- Blue (51%)



- Red (7%)
- Yellow (36%)
- Blue (60%)



- Cyan (88%)
- Magenta (0%)
- Yellow (15%)
- Black (40%)





- Cyan (93%)
- Magenta (40%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1701, 0.2404, 0.3763 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 24.1701, 0.2404, 0.3763 by changing the saturation by 10% instead.


 24.1701, 0.2404,
0.3763


 24.1701, 0.2404,
0.3763


 273.6793, 0.2804,
0.3498


 15.4598, 0.2290,
0.3840


 50.3076, 0.2559,
0.3659

 9.1428, 0.2134,
0.3948


 68.5037, 0.2615,
0.3622

 4.8344, 0.1909,
0.4106

 90.6305, 0.2660,
0.3592

 2.1504, 0.1557,
0.4362

 117.0724, 0.2698,
0.3567

 0.6928, 0.0000,
0.5517

 148.2139, 0.2731,
0.3546

 0.0000, 0.0000,
0.0000

 184.4393, 0.2758,

0.3528

226.1329, 0.2783,
0.3512

■ 24.1701, 0.2404,
0.3763

■ 24.1701, 0.2404,
0.3763

■ 23.9917, 0.2399,
0.3823

■ 24.4400, 0.2424,
0.3703

■ 23.9602, 0.2399,
0.3835

■ 24.8243, 0.2463,
0.3642

■ 25.3375, 0.2521,
0.3583

■ 25.9911, 0.2595,
0.3525

■ 26.7955, 0.2686,
0.3470

■ 27.7600, 0.2789,
0.3417

■ 28.8933, 0.2903,
0.3369

■ 30.2032, 0.3025,
0.3324

■ 31.6973, 0.3152,
0.3283

Harmonies

Analogous

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



24.1701, 0.2983, 0.4349



24.1701, 0.2404, 0.3763



24.1701, 0.2041, 0.3065

Triad

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



24.1701, 0.2404, 0.3763



24.1701, 0.2535, 0.2275



24.1701, 0.4459, 0.3833

Complementary

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



24.1701, 0.2404, 0.3763



7.2716, 0.5741, 0.3077

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.



24.1701, 0.4342, 0.3324



24.1701, 0.2404, 0.3763



24.1701, 0.3159, 0.2477

Square

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



24.1701, 0.2404, 0.3763



24.1701, 0.2116, 0.2286



24.1701, 0.3843, 0.2847



24.1701, 0.4182, 0.4286

Rectangle

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



24.1701, 0.2404, 0.3763



24.1701, 0.1949, 0.2689



24.1701, 0.3843, 0.2847



24.1701, 0.4467, 0.3664

Sweetspot

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



24.1710, 0.2404, 0.3763



49.2977, 0.2807, 0.3409



23.0064, 0.3104, 0.5796



11.0715, 0.2772, 0.3425



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.1710, 0.2404, 0.3763



42.2689, 0.2402, 0.3846



13.4610, 0.2023, 0.2378



7.0083, 0.3011, 0.3328



20.0940, 0.2397, 0.3830



0.3047, 0.2323, 0.3563

Inverse Universe

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



7.2716, 0.5741, 0.3077



11.8967, 0.6153, 0.3163



10.0030, 0.5561, 0.3784



6.2391, 0.3258, 0.3252



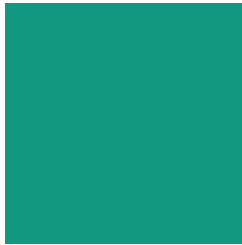
5.6635, 0.6101, 0.3135



0.0885, 0.5226, 0.2652

Previews

White Background



This preview shows how the Yxy color 24.1701, 0.2404, 0.3763 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 24.1701, 0.2404, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

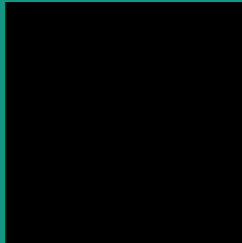
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1701, 0.2404, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 24.1701, 0.2404, 0.3763.

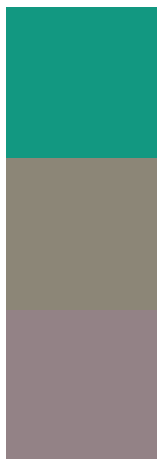


This preview shows how white text looks on a background with the Yxy color 24.1701, 0.2404, 0.3763.

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

24.1701, 0.2404, 0.3763

Protanopia

23.9576, 0.3358, 0.3549

Deuteranopia

23.8895, 0.3282, 0.3224



Tritanopia

24.2758, 0.2272, 0.3062

Trichromacy



Original Color

24.1701, 0.2404, 0.3763

Protanomaly

22.9666, 0.2840, 0.3639

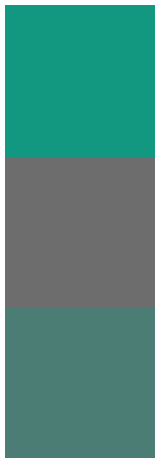
Deuteranomaly

22.5522, 0.2793, 0.3403

Tritanomaly

24.0221, 0.2308, 0.3288

Monochromacy



Original Color

24.1701, 0.2404, 0.3763

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.4647, 0.2687, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1701, 0.2404, 0.3763 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(18, 152, 129)` looks like.

```
.text, #text, p{  
  color:rgb(18, 152, 129)  
}
```

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(18, 152, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 152, 129) }
```

Border

The CSS property to change the border of an element to Yxy 24.1701, 0.2404, 0.3763 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(18, 152, 129) }
```

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

```
.border{ border-color:rgb(18, 152, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 152, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 152, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 152, 129);  
box-shadow:4px 4px 4px 4px rgb(18, 152,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1701, 0.2404, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 152, 129) }
```

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

```
.background{ background-color: rgb(18, 152,  
129) }
```

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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