

Converting Colors

$Yxy(24.5620, 0.2431, 0.3672)$

Have a look what the booklet for
Yxy(24.5620, 0.2431, 0.3672)
contains.

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Color

$\text{Yxy}(24.5620, 0.2431, 0.3672)$

Conversions

Conversions Part 1

Format	Color
Hex	269885
RGB	38, 152, 133
RGB Percent	15%, 60%, 52%
CMY	0.8508, 0.4039, 0.4785
CMYK	0.75, 0.00, 0.13, 0.40
HSL	170°, 60%, 37%
HSV	170°, 75%, 60%
XYZ	16.2610, 24.5620, 26.0670
YIQ	115.7480, -61.8450, -30.0770

Conversions

Conversions Part 2

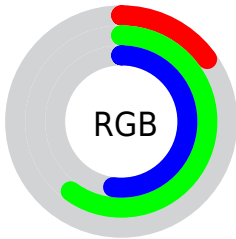
Format	Color
R_{YB}	38, 100, 152
Decimal	2529413
CIE _{Lab}	56.65, -35.56, 1.07
CIE _{LCh}	57, 35.576, 178.284
Yxy	24.5620, 0.2431, 0.3672
Android (android.graphics.Color)	4280719493 (0xFF269885)
YUV	115.7480, 8.5052, -68.1850
Hunter-Lab	49.5601, -28.1632, 3.5074

Details

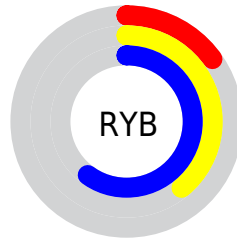
The Yxy color **24.5620, 0.2431, 0.3672** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3602, 0.5235, 0.3043**, and the grayscale version is **17.3747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9956, 0.2581, 0.3591**, and **9.7544, 0.2381, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **24.2611, 0.2405, 0.3731**, and if you desaturate by 10%, it is **24.9845, 0.2476, 0.3614**.

Distribution



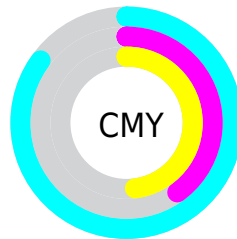
- Red (15%)
- Green (60%)
- Blue (52%)



- Red (15%)
- Yellow (39%)
- Blue (60%)



- Cyan (75%)
- Magenta (0%)
- Yellow (13%)
- Black (40%)




- Cyan (85%)
- Magenta (40%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5620, 0.2431, 0.3672 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 24.5620, 0.2431, 0.3672 by changing the saturation by 10% instead.


 24.5620, 0.2431,
0.3672


 24.5620, 0.2431,
0.3672


 275.6496, 0.2814,
0.3461

 15.7510, 0.2323,
0.3733


 50.9458, 0.2579,
0.3590


 9.3482, 0.2175,
0.3815


 69.2873, 0.2632,
0.3561

 4.9690, 0.1963,
0.3936

 91.5746, 0.2676,
0.3537

 2.2291, 0.1636,
0.4124

 118.1919, 0.2712,
0.3517

 0.7358, 0.0000,
0.5031

 149.5237, 0.2743,
0.3499

 0.0000, 0.0000,
0.0000

 185.9543, 0.2770,

0.3485

227.8681, 0.2793,
0.3472

■ 24.5620, 0.2431,
0.3672

■ 24.5620, 0.2431,
0.3672

■ 24.2611, 0.2405,
0.3731

■ 24.9845, 0.2476,
0.3614

■ 24.0626, 0.2396,
0.3789

■ 25.5385, 0.2539,
0.3557

■ 23.9800, 0.2394,
0.3818

■ 26.2363, 0.2620,
0.3501

■ 27.0878, 0.2715,
0.3448

■ 28.1021, 0.2822,
0.3398

■ 29.2876, 0.2939,
0.3352

■ 30.6520, 0.3063,
0.3310

■ 32.2027, 0.3192,
0.3271

■ 33.9466, 0.3323,
0.3236

Harmonies

Analogous

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



24.5620, 0.2955, 0.4218



24.5620, 0.2431, 0.3672



24.5620, 0.2110, 0.3046

Triad

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



24.5620, 0.2431, 0.3672



24.5620, 0.2624, 0.2359



24.5620, 0.4340, 0.3837

Complementary

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



24.5620, 0.2431, 0.3672



8.3602, 0.5235, 0.3043

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.



24.5620, 0.4259, 0.3366



24.5620, 0.2431, 0.3672



24.5620, 0.3209, 0.2560

Square

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



24.5620, 0.2431, 0.3672



24.5620, 0.2216, 0.2356



24.5620, 0.3827, 0.2916



24.5620, 0.4069, 0.4237

Rectangle

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



24.5620, 0.2431, 0.3672



24.5620, 0.2035, 0.2710



24.5620, 0.3827, 0.2916



24.5620, 0.4356, 0.3683

Sweetspot

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



24.5629, 0.2431, 0.3672



50.1054, 0.2851, 0.3386



23.5251, 0.3142, 0.5525



11.2776, 0.2823, 0.3398



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.



24.5629, 0.2431, 0.3672



42.5676, 0.2397, 0.3770



15.1506, 0.2124, 0.2533



7.0088, 0.3010, 0.3327



20.1100, 0.2393, 0.3814



0.3048, 0.2321, 0.3555

Inverse Universe

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



8.3602, 0.5235, 0.3043



12.4931, 0.5880, 0.3105



11.7302, 0.5123, 0.3814



6.2387, 0.3258, 0.3253



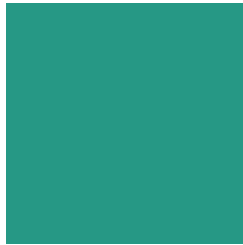
5.6607, 0.6113, 0.3141



0.0883, 0.5251, 0.2666

Previews

White Background



This preview shows how the Yxy color 24.5620, 0.2431, 0.3672 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 24.5620, 0.2431, 0.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

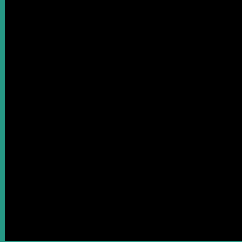
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5620, 0.2431, 0.3672

Background



This preview shows how black text looks on a background with the Yxy color 24.5620, 0.2431, 0.3672.

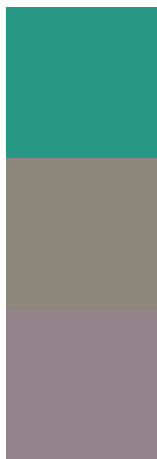


This preview shows how white text looks on a background with the Yxy color 24.5620, 0.2431, 0.3672.

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

24.5620, 0.2431, 0.3672

Protanopia

24.0557, 0.3314, 0.3479

Deuteranopia

24.2706, 0.3236, 0.3175



Tritanopia

24.5021, 0.2308, 0.3064

Trichromacy



Original Color

24.5620, 0.2431, 0.3672



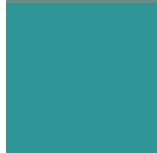
Protanomaly

23.4656, 0.2870, 0.3554



Deuteranomaly

23.3686, 0.2825, 0.3345



Tritanomaly

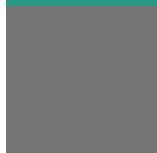
24.3253, 0.2348, 0.3268

Monochromacy



Original Color

24.5620, 0.2431, 0.3672



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.1804, 0.2754, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5620, 0.2431, 0.3672 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(38, 152, 133)` looks like.

```
.text, #text, p{  
    color:rgb(38, 152, 133)  
}
```

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(38, 152, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 152, 133) }
```

Border

The CSS property to change the border of an element to Yxy 24.5620, 0.2431, 0.3672 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(38, 152, 133) }
```

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

```
.border{ border-color:rgb(38, 152, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 152, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 152, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 152, 133);  
box-shadow:4px 4px 4px 4px rgb(38, 152,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5620, 0.2431, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 152, 133) }
```

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

```
.background{ background-color: rgb(38, 152,  
133) }
```

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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