

Converting Colors

$Y_{xy}(23.1303, 0.2763, 0.4922)$

Have a look what the booklet for
Yxy(23.1303, 0.2763, 0.4922)
contains.

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Color

$\text{Yxy}(23.2253, 0.2766, 0.4935)$

Conversions

Conversions Part 1

Format	Color
Hex	1B984D
RGB	27, 152, 77
RGB Percent	11%, 60%, 30%
CMY	0.8946, 0.4039, 0.6980
CMYK	0.82, 0.00, 0.49, 0.40
HSL	144°, 70%, 35%
HSV	144°, 82%, 60%
XYZ	13.0175, 23.2253, 10.8196
YIQ	106.0750, -50.4250, -49.8250

Conversions

Conversions Part 2

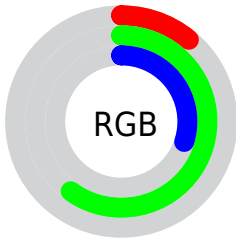
Format	Color
R_{YB}	27, 116, 152
Decimal	1808461
CIE _{Lab}	55.30, -49.61, 30.30
CIE _{LCh}	55, 58.134, 148.585
Yxy	23.2253, 0.2766, 0.4935
Android (android.graphics.Color)	4279998541 (0xFF1B984D)
YUV	106.0750, -14.3340, -69.3488
Hunter-Lab	48.1926, -36.1219, 20.4237

Details

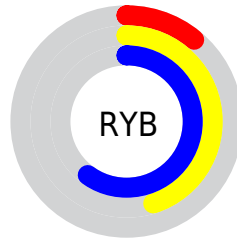
The Yxy color **23.2253, 0.2766, 0.4935** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.4108, 0.4198, 0.2245**, and the grayscale version is **14.4755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5908, 0.2877, 0.4529**, and **9.2081, 0.2860, 0.5496** is the 20% darker color. If you saturate the color by 10%, you get **22.9510, 0.2784, 0.5146**, and if you desaturate by 10%, it is **23.6266, 0.2766, 0.4710**.

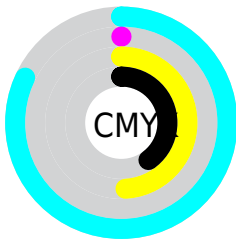
Distribution



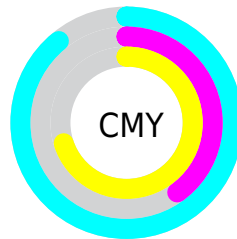
- Red (11%)
- Green (60%)
- Blue (30%)



- Red (11%)
- Yellow (45%)
- Blue (60%)



- Cyan (82%)
- Magenta (0%)
- Yellow (49%)
- Black (40%)





- Cyan (89%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2253, 0.2766, 0.4935 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 23.2253, 0.2766, 0.4935 by changing the saturation by 10% instead.


 23.2253, 0.2766,
0.4935

 23.2253, 0.2766,
0.4935

268.8801, 0.3007,
0.3950


 14.7600, 0.2674,
0.5251


 48.7630, 0.2874,
0.4529


 8.6511, 0.2530,
0.5705


 66.6042, 0.2907,
0.4392


 4.5143, 0.2282,
0.6398

 88.3394, 0.2933,
0.4282

 1.9652, 0.1688,
0.8312

 114.3530, 0.2954,
0.4192

 0.5871, 0.0000,
1.0000

 145.0295, 0.2971,
0.4116

 0.0000, 0.0000,
0.0000

 180.7533, 0.2985,

0.4053

221.9087, 0.2997,
0.3998

■ 23.2253, 0.2766,
0.4935

■ 23.2253, 0.2766,
0.4935

■ 22.9510, 0.2784,
0.5146

■ 23.6266, 0.2766,
0.4710

■ 22.7949, 0.2805,
0.5297

■ 24.1673, 0.2783,
0.4481

■ 24.8614, 0.2816,
0.4255

■ 25.7203, 0.2861,
0.4037

■ 26.7543, 0.2917,
0.3833

■ 27.9729, 0.2978,
0.3645

■ 29.3847, 0.3044,
0.3475

■ 30.9981, 0.3111,
0.3323

■ 32.8206, 0.3179,
0.3188

Harmonies

Analogous

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



23.2253, 0.3700, 0.5174



23.2253, 0.2766, 0.4935



23.2253, 0.1981, 0.3909

Triad

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



23.2253, 0.2766, 0.4935



23.2253, 0.1731, 0.1847



23.2253, 0.5005, 0.3321

Complementary

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



23.2253, 0.2766, 0.4935



8.4108, 0.4198, 0.2245

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.



23.2253, 0.4290, 0.2684



23.2253, 0.2766, 0.4935



23.2253, 0.2317, 0.1880

Square

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



23.2253, 0.2766, 0.4935



23.2253, 0.1479, 0.2125



23.2253, 0.3239, 0.2175



23.2253, 0.5059, 0.4014

Rectangle

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



23.2253, 0.2766, 0.4935



23.2253, 0.1650, 0.3140



23.2253, 0.3239, 0.2175



23.2253, 0.4832, 0.3100

Sweetspot

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



23.2262, 0.2766, 0.4935



48.6527, 0.2958, 0.3703



25.3596, 0.3573, 0.5362



10.8997, 0.2938, 0.3764



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.



23.2262, 0.2766, 0.4935



40.2276, 0.2811, 0.5313



24.5688, 0.2358, 0.3538



6.9646, 0.3065, 0.3426



19.1168, 0.2801, 0.5285



0.2927, 0.2573, 0.4464

Inverse Universe

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



8.4108, 0.4198, 0.2245



13.1444, 0.4532, 0.2276



7.6032, 0.5710, 0.3166



6.2817, 0.3195, 0.3157



6.2381, 0.4507, 0.2257



0.1004, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 23.2253, 0.2766, 0.4935 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 23.2253, 0.2766, 0.4935 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 23.2253, 0.2766, 0.4935

Background



This preview shows how black text looks on a background with the Yxy color 23.2253, 0.2766, 0.4935.



This preview shows how white text looks on a background with the Yxy color 23.2253, 0.2766, 0.4935.

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

23.2253, 0.2766, 0.4935

Protanopia

22.9645, 0.3960, 0.4323

Deuteranopia

22.9327, 0.4036, 0.3962



Tritanopia

23.0682, 0.2360, 0.3060

Trichromacy



Original Color

23.2253, 0.2766, 0.4935



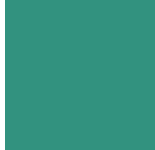
Protanomaly

21.7711, 0.3361, 0.4598



Deuteranomaly

21.3015, 0.3408, 0.4345



Tritanomaly

22.7682, 0.2494, 0.3681

Monochromacy



Original Color

23.2253, 0.2766, 0.4935



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.5699, 0.2896, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2253, 0.2766, 0.4935 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(27, 152, 77)` looks like.

```
.text, #text, p{  
    color:rgb(27, 152, 77)  
}
```

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(27, 152, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 152, 77) }
```

Border

The CSS property to change the border of an element to Yxy 23.2253, 0.2766, 0.4935 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(27, 152, 77) }
```

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

```
.border{ border-color:rgb(27, 152, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 152, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 152, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 152, 77);  
box-shadow:4px 4px 4px 4px rgb(27, 152,  
77) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.2253, 0.2766, 0.4935$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 152, 77) }
```

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

```
.background{ background-color: rgb(27, 152,  
77) }
```

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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