

Converting Colors

$Yxy(18.4777, 0.1147, 0.4802)$

Have a look what the booklet for
Yxy(18.4777, 0.1147, 0.4802)
contains.

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Color

Yxy(23.0728, 0.2553, 0.4391)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 009765 |
| RGB | 0, 151, 101 |
| RGB Percent | 0%, 59%, 40% |
| CMY | 1.0000, 0.4078, 0.6039 |
| CMYK | 1.00, 0.00, 0.33, 0.41 |
| HSL | 160°, 100%, 30% |
| HSV | 160°, 100%, 59% |
| XYZ | 13.4149, 23.0728, 16.0580 |
| YIQ | 100.1510, -73.9460, -47.5620 |

Conversions

Conversions Part 2

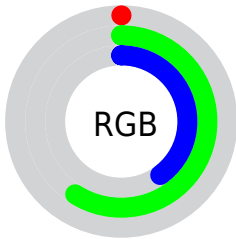
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 90, 151 |
| Decimal | 38757 |
| CIELab | 55.15, -46.34, 17.00 |
| CIELCh | 55, 49.362, 159.854 |
| Yxy | 23.0728, 0.2553, 0.4391 |
| Android (android.graphics.Color) | 4278228837 (0xFF009765) |
| YUV | 100.1510, 0.4186, -87.8324 |
| Hunter-Lab | 48.0342, -34.2086, 13.8031 |

Details

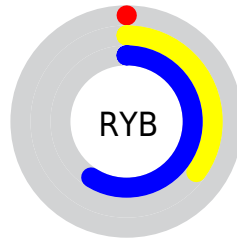
The Yxy color **23.0728, 0.2553, 0.4391** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.8100, 0.5610, 0.2864**, and the grayscale version is **12.7981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3880, 0.2691, 0.4124**, and **9.1900, 0.2655, 0.4759** is the 20% darker color. If you saturate the color by 10%, you get **23.0741, 0.2553, 0.4391**, and if you desaturate by 10%, it is **23.2775, 0.2542, 0.4268**.

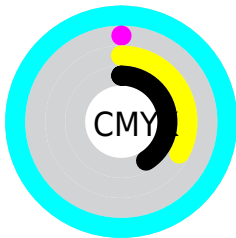
Distribution



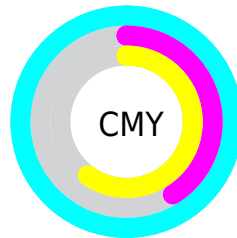
- Red (0%)
- Green (59%)
- Blue (40%)



- Red (0%)
- Yellow (35%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.0728, 0.2553, 0.4391 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 23.0728, 0.2553, 0.4391 by changing the saturation by 10% instead.


 23.0728, 0.2553,
0.4391


 23.0728, 0.2553,
0.4391


268.0987, 0.2890,
0.3740


 14.6473, 0.2447,
0.4599


 48.5128, 0.2690,
0.4124


 8.5722, 0.2294,
0.4900

 66.2961, 0.2737,
0.4034


 4.4632, 0.2058,
0.5371

 87.9675, 0.2775,
0.3961

 1.9359, 0.1524,
0.6377

 113.9113, 0.2806,
0.3901

 0.5698, 0.0000,
1.0000

 144.5119, 0.2832,
0.3851

 0.0000, 0.0000,
0.0000

 180.1537, 0.2854,

0.3809

221.2212, 0.2873,
0.3772

■ 23.0728, 0.2553,
0.4391

■ 23.0728, 0.2553,
0.4391

■ 23.0741, 0.2553,
0.4391

■ 23.2775, 0.2542,
0.4268

■ 23.5612, 0.2546,
0.4144

■ 23.9602, 0.2569,
0.4019

■ 24.4882, 0.2611,
0.3897

■ 25.1571, 0.2669,
0.3778

■ 25.9772, 0.2743,
0.3665

■ 26.9581, 0.2828,
0.3559

■ 28.1084, 0.2922,
0.3461

■ 29.4361, 0.3023,
0.3371

Harmonies

Analogous

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



23.0728, 0.3353, 0.4890



23.0728, 0.2553, 0.4391



23.0728, 0.1955, 0.3453

Triad

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



23.0728, 0.2553, 0.4391



23.0728, 0.2064, 0.2001



23.0728, 0.4827, 0.3580

Complementary

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



23.0728, 0.2553, 0.4391



6.8100, 0.5610, 0.2864

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.



23.0728, 0.4403, 0.2979



23.0728, 0.2553, 0.4391



23.0728, 0.2705, 0.2120

Square

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



23.0728, 0.2553, 0.4391



23.0728, 0.1723, 0.2151



23.0728, 0.3574, 0.2465



23.0728, 0.4696, 0.4202

Rectangle

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



23.0728, 0.2553, 0.4391



23.0728, 0.1735, 0.2867



23.0728, 0.3574, 0.2465



23.0728, 0.4747, 0.3374

Sweetspot

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



23.0741, 0.2553, 0.4391



48.1621, 0.2822, 0.3565



22.8211, 0.3182, 0.5856



10.7853, 0.2788, 0.3606



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.



23.0741, 0.2553, 0.4391



41.2856, 0.2560, 0.4415



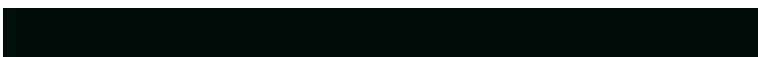
17.1144, 0.2100, 0.2759



6.9917, 0.3031, 0.3365



19.6340, 0.2551, 0.4383



0.3002, 0.2402, 0.3846

Inverse Universe

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



6.8100, 0.5610, 0.2864



12.1646, 0.5659, 0.2891



7.2821, 0.6212, 0.3449



6.2547, 0.3234, 0.3217



5.7980, 0.5593, 0.2855



0.0929, 0.4548, 0.2279

Previews

White Background



This preview shows how the Yxy color 23.0728, 0.2553, 0.4391 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 23.0728, 0.2553, 0.4391 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 23.0728, 0.2553, 0.4391

Background



This preview shows how black text looks on a background with the Yxy color 23.0728, 0.2553, 0.4391.



This preview shows how white text looks on a background with the Yxy color 23.0728, 0.2553, 0.4391.

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

23.0728, 0.2553, 0.4391

Protanopia

22.7561, 0.3697, 0.3967

Deuteranopia

22.7556, 0.3686, 0.3607



Tritanopia

23.0769, 0.2305, 0.3058

Trichromacy



Original Color

23.0728, 0.2553, 0.4391



Protanomaly

21.1768, 0.3035, 0.4181



Deuteranomaly

20.8893, 0.3013, 0.3899



Tritanomaly

22.9683, 0.2371, 0.3513

Monochromacy



Original Color

23.0728, 0.2553, 0.4391



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.2037, 0.2710, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0728, 0.2553, 0.4391 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(0, 151, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 101)  
}
```

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(0, 151, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 101) }
```

Border

The CSS property to change the border of an element to Yxy 23.0728, 0.2553, 0.4391 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(0, 151, 101) }
```

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

```
.border{ border-color:rgb(0, 151, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0728, 0.2553, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 101) }
```

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

```
.background{ background-color: rgb(0, 151,  
101) }
```

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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