

Converting Colors

$Y_{xy}(23.7613, 0.3005, 0.5897)$

Have a look what the booklet for
Yxy(23.7613, 0.3005, 0.5897)
contains.

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Color

$Y_{xy}(23.9245, 0.3005, 0.5895)$

Conversions

Conversions Part 1

Format	Color
Hex	109C10
RGB	16, 156, 16
RGB Percent	6%, 61%, 6%
CMY	0.9372, 0.3882, 0.9373
CMYK	0.90, 0.00, 0.90, 0.39
HSL	120°, 81%, 34%
HSV	120°, 90%, 61%
XYZ	12.1956, 23.9245, 4.4643
YIQ	98.1800, -38.5000, -73.2200

Conversions

Conversions Part 2

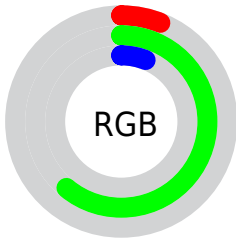
Format	Color
R_{YB}	16, 156, 156
Decimal	1088528
CIE _{Lab}	56.01, -58.21, 55.19
CIE _{LCh}	56, 80.216, 136.523
Yxy	23.9245, 0.3005, 0.5895
Android (android.graphics.Color)	4279278608 (0xFF109C10)
YUV	98.1800, -40.5147, -72.0719
Hunter-Lab	48.9127, -41.0910, 28.8274

Details

The Yxy color **23.9245, 0.3005, 0.5895** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.8362, 0.3207, 0.1586**, and the grayscale version is **12.3720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0025, 0.3118, 0.5285**, and **9.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.7814, 0.3000, 0.5998**, and if you desaturate by 10%, it is **24.1807, 0.3013, 0.5724**.

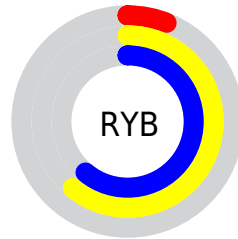
Distribution



Red (6%)

Green (61%)

Blue (6%)



Red (6%)

Yellow (61%)

Blue (61%)

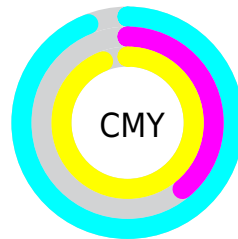


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (39%)



Cyan (94%)


Magenta (39%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9245, 0.3005, 0.5895 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 23.9245, 0.3005, 0.5895 by changing the saturation by 10% instead.


 23.9245, 0.3005,
0.5895


 23.9245, 0.3005,
0.5895


272.4386, 0.3190,
0.4358


 15.2776, 0.2883,
0.6336


 49.9070, 0.3120,
0.5285


 9.0145, 0.2680,
0.6948


 68.0113, 0.3147,
0.5070


 4.7506, 0.2290,
0.7710

 90.0370, 0.3164,
0.4894

 2.1017, 0.1115,
0.8885

 116.3684, 0.3175,
0.4749

 0.6656, 0.0000,
1.0000


 147.3898, 0.3182,
0.4628


 0.0000, 0.0000,
0.0000


 183.4857, 0.3186,


0.4524


 225.0405, 0.3189,
0.4435


 23.9245, 0.3005,
0.5895


 23.9245, 0.3005,
0.5895


 23.7814, 0.3000,
0.5998


 24.1807, 0.3013,
0.5724

 23.7781, 0.3000,
0.6000

 24.5938, 0.3025,
0.5475

 25.1846, 0.3039,
0.5166

 25.9700, 0.3055,
0.4823

 26.9652, 0.3072,
0.4472

■ 28.1836, 0.3088,
0.4132

■ 29.6376, 0.3102,
0.3817

■ 31.3388, 0.3116,
0.3534

■ 33.2977, 0.3127,
0.3284

Harmonies

Analogous

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



23.9245, 0.4163, 0.5507



23.9245, 0.3005, 0.5895



23.9245, 0.1930, 0.4840

Triad

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



23.9245, 0.3005, 0.5895



23.9245, 0.1216, 0.1541



23.9245, 0.5370, 0.2908

Complementary

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



23.9245, 0.3005, 0.5895



9.8362, 0.3207, 0.1586

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.



23.9245, 0.4119, 0.2212



23.9245, 0.3005, 0.5895



23.9245, 0.1729, 0.1471

Square

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



23.9245, 0.3005, 0.5895



23.9245, 0.1061, 0.2009



23.9245, 0.2710, 0.1702



23.9245, 0.5718, 0.3682

Rectangle

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



23.9245, 0.3005, 0.5895



23.9245, 0.1426, 0.3654



23.9245, 0.2710, 0.1702



23.9245, 0.5027, 0.2665

Sweetspot

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



23.9255, 0.3005, 0.5895



51.7360, 0.3091, 0.4060



30.1077, 0.4191, 0.4986



11.2155, 0.3086, 0.4162



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.9255, 0.3005, 0.5895



43.1860, 0.3000, 0.6000



24.5227, 0.2709, 0.4852



7.4011, 0.3116, 0.3521



19.5851, 0.3000, 0.6000



0.3502, 0.3000, 0.6000

Inverse Universe

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



9.8362, 0.3207, 0.1586



17.1919, 0.3209, 0.1541



8.1483, 0.4627, 0.2406



6.7545, 0.3137, 0.3070



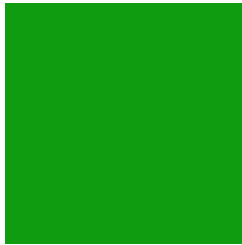
7.7967, 0.3209, 0.1541



0.1394, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 23.9245, 0.3005, 0.5895 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 23.9245, 0.3005, 0.5895 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 23.9245, 0.3005, 0.5895

Background



This preview shows how black text looks on a background with the Yxy color 23.9245, 0.3005, 0.5895.



This preview shows how white text looks on a background with the Yxy color 23.9245, 0.3005, 0.5895.

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

23.9245, 0.3005, 0.5895

Protanopia

23.5408, 0.4384, 0.4886

Deuteranopia

23.5278, 0.4552, 0.4488



Tritanopia

23.8784, 0.2377, 0.3064

Trichromacy



Original Color

23.9245, 0.3005, 0.5895



Protanomaly

22.1302, 0.3686, 0.5408



Deuteranomaly

21.7104, 0.3789, 0.5143



Tritanomaly

23.1639, 0.2645, 0.4206

Monochromacy



Original Color

23.9245, 0.3005, 0.5895



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

14.8400, 0.3068, 0.4543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9245, 0.3005, 0.5895 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(16, 156, 16)` looks like.

```
.text, #text, p{  
    color:rgb(16, 156, 16)  
}
```

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(16, 156, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 156, 16) }
```

Border

The CSS property to change the border of an element to Yxy 23.9245, 0.3005, 0.5895 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(16, 156, 16) }
```

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

```
.border{ border-color:rgb(16, 156, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 156, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 156, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 156, 16);  
box-shadow:4px 4px 4px 4px rgb(16, 156,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9245, 0.3005, 0.5895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 156, 16) }
```

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

```
.background{ background-color: rgb(16, 156,  
16) }
```

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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