

Converting Colors

$Yxy(23.0345, 0.3317, 0.5729)$

Have a look what the booklet for
Yxy(23.0345, 0.3317, 0.5729)
contains.

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Color

Yxy(23.0845, 0.3319, 0.5728)

Conversions

Conversions Part 1

Format	Color
Hex	459603
RGB	69, 150, 3
RGB Percent	27%, 59%, 1%
CMY	0.7295, 0.4117, 0.9877
CMYK	0.54, 0.00, 0.98, 0.41
HSL	93°, 96%, 30%
HSV	93°, 98%, 59%
XYZ	13.3760, 23.0845, 3.8407
YIQ	109.0230, -1.0890, -62.8890

Conversions

Conversions Part 2

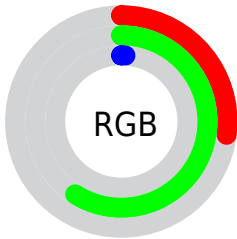
Format	Color
R_{YB}	3, 150, 84
Decimal	4560387
CIE Lab	55.16, -46.65, 57.10
CIE LCh	55, 73.729, 129.247
Yxy	23.0845, 0.3319, 0.5728
Android (android.graphics.Color)	4282750467 (0xFF459603)
YUV	109.0230, -52.2693, -35.1002
Hunter-Lab	48.0463, -34.3872, 28.8929

Details

The Yxy color **23.0845, 0.3319, 0.5728** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.1636, 0.2165, 0.0979**, and the grayscale version is **15.4541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5532, 0.3366, 0.5177**, and **8.7354, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.0161, 0.3310, 0.5754**, and if you desaturate by 10%, it is **23.4467, 0.3364, 0.5595**.

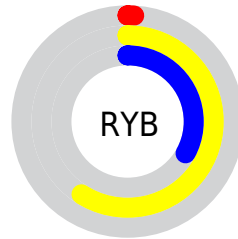
Distribution



Red (27%)

Green (59%)

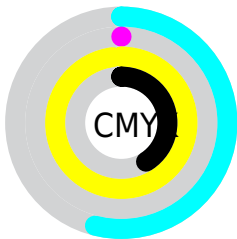
Blue (1%)



Red (1%)

Yellow (59%)

Blue (33%)

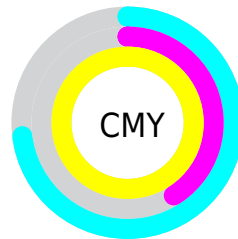


Cyan (54%)

Magenta (0%)

Yellow (98%)

Black (41%)



Cyan (73%)

Magenta (41%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0845, 0.3319, 0.5728 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 23.0845, 0.3319, 0.5728 by changing the saturation by 10% instead.


 23.0845, 0.3319,
0.5728


 23.0845, 0.3319,
0.5728

268.1587, 0.3329,
0.4315


 14.6559, 0.3241,
0.6117


 48.5320, 0.3368,
0.5177


 8.5783, 0.3117,
0.6691


 66.3198, 0.3371,
0.4979


 4.4671, 0.2757,
0.7243

 87.9960, 0.3367,
0.4817

 1.9382, 0.1906,
0.8094

 113.9452, 0.3361,
0.4682

 0.5712, 0.0000,
1.0000


 144.5516, 0.3354,
0.4569

 0.0000, 0.0000,
0.0000


 180.1998, 0.3346,

0.4471


 221.2740, 0.3337,
0.4388

 23.0845, 0.3319,
0.5728


 23.0845, 0.3319,
0.5728


 23.0161, 0.3310,
0.5754

 23.4467, 0.3364,
0.5595

 23.8810, 0.3394,
0.5412

 24.3983, 0.3404,
0.5179

 25.0044, 0.3396,
0.4909

 25.7045, 0.3370,
0.4617

■ 26.5034, 0.3331,
0.4318

■ 27.4054, 0.3283,
0.4024

■ 28.4147, 0.3229,
0.3743

■ 29.5349, 0.3173,
0.3482

Harmonies

Analogous

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



23.0845, 0.4403, 0.5214



23.0845, 0.3319, 0.5728



23.0845, 0.2244, 0.5067

Triad

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



23.0845, 0.3319, 0.5728



23.0845, 0.1238, 0.1702



23.0845, 0.4996, 0.2775

Complementary

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



23.0845, 0.3319, 0.5728



4.1636, 0.2165, 0.0979

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.



23.0845, 0.3724, 0.2133



23.0845, 0.3319, 0.5728



23.0845, 0.1647, 0.1546

Square

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



23.0845, 0.3319, 0.5728



23.0845, 0.1171, 0.2286



23.0845, 0.2472, 0.1701



23.0845, 0.5575, 0.3514

Rectangle

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



23.0845, 0.3319, 0.5728



23.0845, 0.1680, 0.4032



23.0845, 0.2472, 0.1701



23.0845, 0.4617, 0.2545

Sweetspot

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



23.0855, 0.3319, 0.5728



48.0821, 0.3292, 0.4072



12.8194, 0.5199, 0.4229



10.5172, 0.3311, 0.4185



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.0855, 0.3319, 0.5728



40.5142, 0.3296, 0.5765



21.8578, 0.2990, 0.5939



6.5881, 0.3180, 0.3514



19.1060, 0.3315, 0.5750



0.2509, 0.3663, 0.5473

Inverse Universe

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



4.1636, 0.2165, 0.0979



7.0080, 0.2125, 0.0944



8.5258, 0.3333, 0.1619



5.7812, 0.3070, 0.3067



3.3621, 0.2150, 0.0958



0.0587, 0.2618, 0.1216

Previews

White Background



This preview shows how the Yxy color 23.0845, 0.3319, 0.5728 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 23.0845, 0.3319, 0.5728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

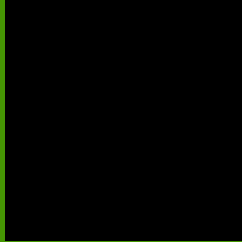
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0845, 0.3319, 0.5728

Background



This preview shows how black text looks on a background with the Yxy color 23.0845, 0.3319, 0.5728.



This preview shows how white text looks on a background with the Yxy color 23.0845, 0.3319, 0.5728.

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

23.0845, 0.3319, 0.5728

Protanopia

22.7984, 0.4393, 0.4894

Deuteranopia

22.7655, 0.4589, 0.4523



Tritanopia

22.9237, 0.2560, 0.3067

Trichromacy



Original Color

23.0845, 0.3319, 0.5728

Protanomaly

22.3894, 0.3945, 0.5244

Deuteranomaly

21.8502, 0.4088, 0.5000

Tritanomaly

22.3470, 0.2950, 0.4241

Monochromacy



Original Color

23.0845, 0.3319, 0.5728

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.2499, 0.3339, 0.4444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0845, 0.3319, 0.5728 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(69, 150, 3)` looks like.

```
.text, #text, p{  
    color:rgb(69, 150, 3)  
}
```

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(69, 150, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 150, 3) }
```

Border

The CSS property to change the border of an element to Yxy 23.0845, 0.3319, 0.5728 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(69, 150, 3) }
```

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

```
.border{ border-color:rgb(69, 150, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 150, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 150, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 150, 3);  
box-shadow:4px 4px 4px 4px rgb(69, 150, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.0845, 0.3319, 0.5728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 150, 3) }
```

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

```
.background{ background-color: rgb(69, 150,  
3) }
```

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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