

Converting Colors

$Y_{xy}(22.3753, 0.3221, 0.5800)$

Have a look what the booklet for
Yxy(22.3753, 0.3221, 0.5800)
contains.

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Color

Yxy(22.3444, 0.3219, 0.5801)

Conversions

Conversions Part 1

Format	Color
Hex	389504
RGB	56, 149, 4
RGB Percent	22%, 58%, 2%
CMY	0.7805, 0.4157, 0.9842
CMYK	0.62, 0.00, 0.97, 0.42
HSL	99°, 95%, 30%
HSV	99°, 97%, 58%
XYZ	12.3990, 22.3444, 3.7748
YIQ	104.6630, -8.8830, -64.8110

Conversions

Conversions Part 2

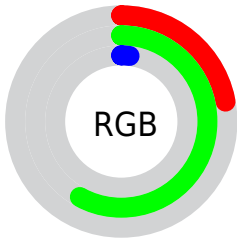
Format	Color
RYB	4, 149, 97
Decimal	3708164
CIELab	54.39, -49.82, 56.15
CIELCh	54, 75.068, 131.585
Yxy	22.3444, 0.3219, 0.5801
Android (android.graphics.Color)	4281898244 (0xFF389504)
YUV	104.6630, -49.6269, -42.6775
Hunter-Lab	47.2699, -35.9013, 28.3542

Details

The Yxy color **22.3444, 0.3219, 0.5801** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.8027, 0.2364, 0.1091**, and the grayscale version is **14.1682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2855, 0.3289, 0.5219**, and **8.5494, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.2640, 0.3207, 0.5835**, and if you desaturate by 10%, it is **22.6855, 0.3265, 0.5662**.

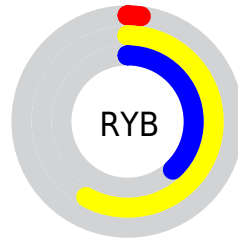
Distribution



Red (22%)

Green (58%)

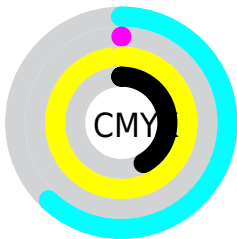
Blue (2%)



Red (2%)

Yellow (58%)

Blue (38%)

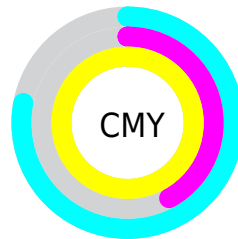


Cyan (62%)

Magenta (0%)

Yellow (97%)

Black (42%)



Cyan (78%)


Magenta (42%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3444, 0.3219, 0.5801 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 22.3444, 0.3219, 0.5801 by changing the saturation by 10% instead.


 22.3444, 0.3219,
0.5801


 22.3444, 0.3219,
0.5801


264.3396, 0.3287,
0.4328


 14.1102, 0.3123,
0.6215


 47.3146, 0.3291,
0.5221

 8.1973, 0.2975,
0.6841


 64.8193, 0.3302,
0.5014

 4.2215, 0.2569,
0.7431

 86.1830, 0.3305,
0.4846


 1.7982, 0.1421,
0.8579

 111.7900, 0.3304,
0.4706


 0.4861, 0.0000,
1.0000

 142.0248, 0.3301,
0.4589

 0.0000, 0.0000,
0.0000


 177.2717, 0.3297,


0.4489


 217.9152, 0.3292,
0.4403


 22.3444, 0.3219,
0.5801


 22.3444, 0.3219,
0.5801

 22.2640, 0.3207,
0.5835

 22.6855, 0.3265,
0.5662

 23.1108, 0.3298,
0.5466

 23.6314, 0.3315,
0.5218

 24.2539, 0.3315,
0.4932

 24.9843, 0.3301,
0.4627

■ 25.8281, 0.3275,
0.4317

■ 26.7904, 0.3241,
0.4015

■ 27.8759, 0.3201,
0.3730

■ 29.0889, 0.3159,
0.3467

Harmonies

Analogous

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



22.3444, 0.4334, 0.5313



22.3444, 0.3219, 0.5801



22.3444, 0.2137, 0.5017

Triad

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



22.3444, 0.3219, 0.5801



22.3444, 0.1222, 0.1641



22.3444, 0.5128, 0.2814

Complementary

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



22.3444, 0.3219, 0.5801



4.8027, 0.2364, 0.1091

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.



22.3444, 0.3849, 0.2151



22.3444, 0.3219, 0.5801



22.3444, 0.1663, 0.1513

Square

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



22.3444, 0.3219, 0.5801



22.3444, 0.1126, 0.2188



22.3444, 0.2539, 0.1693



22.3444, 0.5640, 0.3565

Rectangle

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



22.3444, 0.3219, 0.5801



22.3444, 0.1589, 0.3920



22.3444, 0.2539, 0.1693



22.3444, 0.4756, 0.2578

Sweetspot

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



22.3453, 0.3219, 0.5801



47.5600, 0.3249, 0.4083



14.7369, 0.4965, 0.4411



10.3909, 0.3263, 0.4199



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.



22.3453, 0.3219, 0.5801



39.7756, 0.3194, 0.5846



21.5860, 0.2964, 0.5840



6.5635, 0.3167, 0.3515



18.7522, 0.3212, 0.5832



0.2450, 0.3552, 0.5562

Inverse Universe

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



4.8027, 0.2364, 0.1091



8.1988, 0.2323, 0.1053



8.0806, 0.3558, 0.1748



5.8063, 0.3084, 0.3068



3.9190, 0.2345, 0.1066



0.0646, 0.2754, 0.1291

Previews

White Background



This preview shows how the Yxy color 22.3444, 0.3219, 0.5801 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 22.3444, 0.3219, 0.5801 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 22.3444, 0.3219, 0.5801

Background



This preview shows how black text looks on a background with the Yxy color 22.3444, 0.3219, 0.5801.



This preview shows how white text looks on a background with the Yxy color 22.3444, 0.3219, 0.5801.

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

22.3444, 0.3219, 0.5801

Protanopia

22.0763, 0.4396, 0.4892

Deuteranopia

22.0514, 0.4592, 0.4514



Tritanopia

22.4166, 0.2491, 0.3080

Trichromacy



Original Color

22.3444, 0.3219, 0.5801

Protanomaly

21.4042, 0.3892, 0.5286

Deuteranomaly

20.8418, 0.4034, 0.5035

Tritanomaly

21.8857, 0.2856, 0.4266

Monochromacy



Original Color

22.3444, 0.3219, 0.5801

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

16.1183, 0.3291, 0.4491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3444, 0.3219, 0.5801 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(56, 149, 4)` looks like.

```
.text, #text, p{  
    color:rgb(56, 149, 4)  
}
```

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(56, 149, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 149, 4) }
```

Border

The CSS property to change the border of an element to Yxy 22.3444, 0.3219, 0.5801 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(56, 149, 4) }
```

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

```
.border{ border-color:rgb(56, 149, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 149, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 149, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 149, 4);  
box-shadow:4px 4px 4px 4px rgb(56, 149, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.3444, 0.3219, 0.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 149, 4) }
```

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

```
.background{ background-color: rgb(56, 149,  
4) }
```

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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