

Converting Colors

$Y_{xy}(13.5777, 0.3619, 0.5245)$

Have a look what the booklet for
Yxy(13.5777, 0.3619, 0.5245)
contains.

Yxy(13.5776, 0.3619, 0.5246)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.5776, 0.3619, 0.5246)

Conversions

Conversions Part 1

Format	Color
Hex	507117
RGB	80, 113, 23
RGB Percent	31%, 44%, 9%
CMY	0.6864, 0.5568, 0.9098
CMYK	0.29, 0.00, 0.80, 0.56
HSL	82°, 66%, 27%
HSV	82°, 80%, 44%
XYZ	9.3666, 13.5776, 2.9376
YIQ	92.8730, 9.2220, -34.9860

Conversions

Conversions Part 2

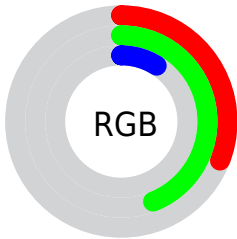
Format	Color
R_{YB}	23, 113, 56
Decimal	5271831
CIE _{Lab}	43.62, -26.04, 42.81
CIE _{LCh}	44, 50.106, 121.308
Yxy	13.5776, 0.3619, 0.5246
Android (android.graphics.Color)	4283461911 (0xFF507117)
YUV	92.8730, -34.4474, -11.2896
Hunter-Lab	36.8478, -19.1093, 21.0667

Details

The Yxy color **13.5776, 0.3619, 0.5246** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.6470, 0.2099, 0.1129**, and the grayscale version is **10.9947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3102, 0.3562, 0.4755**, and **4.0719, 0.3418, 0.5668** is the 20% darker color. If you saturate the color by 10%, you get **13.3672, 0.3611, 0.5400**, and if you desaturate by 10%, it is **13.8197, 0.3605, 0.5049**.

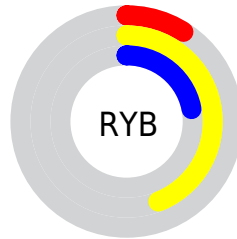
Distribution



 Red (31%)


 Green (44%)

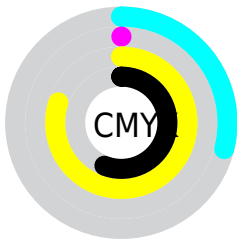
 Blue (9%)



 Red (9%)

 Yellow (44%)

 Blue (22%)

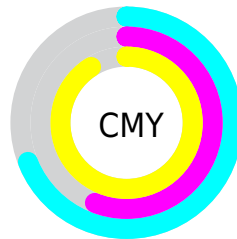



 Cyan (29%)

 Magenta (0%)

 Yellow (80%)

 Black (56%)



 Cyan (69%)


 Magenta (56%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5776, 0.3619, 0.5246 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 13.5776, 0.3619, 0.5246 by changing the saturation by 10% instead.


 13.5776, 0.3619,
0.5246


 13.5776, 0.3619,
0.5246


214.5870, 0.3398,
0.4046


 7.8275, 0.3618,
0.5619

 32.3376, 0.3564,
0.4751


 3.9848, 0.3666,
0.6334

 46.1163, 0.3533,
0.4582


 1.6650, 0.3239,
0.6761

 63.3400, 0.3504,
0.4447

 0.4009, 0.0000,
1.0000


 84.3931, 0.3478,
0.4337


 0.0000, 0.0000,
0.0000

 109.6599, 0.3454,
0.4246

 139.5249, 0.3433,

0.4168


 174.3725, 0.3415,
0.4103


 13.5776, 0.3619,
0.5246


 13.5776, 0.3619,
0.5246


 13.3672, 0.3611,
0.5400

 13.8197, 0.3605,
0.5049


 13.1783, 0.3589,
0.5528

 14.0940, 0.3570,
0.4819

 13.1718, 0.3589,
0.5533

 14.4032, 0.3517,
0.4565

 14.7493, 0.3450,
0.4298

 15.1339, 0.3374,
0.4030

■ 15.5586, 0.3292,
0.3768

■ 16.0249, 0.3208,
0.3517

■ 16.5342, 0.3124,
0.3282

■ 17.0879, 0.3043,
0.3064

Harmonies

Analogous

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



13.5776, 0.4499, 0.4797



13.5776, 0.3619, 0.5246



13.5776, 0.2666, 0.4924

Triad

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



13.5776, 0.3619, 0.5246



13.5776, 0.1452, 0.2051



13.5776, 0.4413, 0.2721

Complementary

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



13.5776, 0.3619, 0.5246



2.6470, 0.2099, 0.1129

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.



13.5776, 0.3338, 0.2187



13.5776, 0.3619, 0.5246



13.5776, 0.1737, 0.1803

Square

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



13.5776, 0.3619, 0.5246



13.5776, 0.1490, 0.2707



13.5776, 0.2367, 0.1864



13.5776, 0.5094, 0.3376

Rectangle

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



13.5776, 0.3619, 0.5246



13.5776, 0.2114, 0.4227



13.5776, 0.2367, 0.1864



13.5776, 0.4072, 0.2525

Sweetspot

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



13.5782, 0.3619, 0.5246



27.4678, 0.3334, 0.3898



6.4018, 0.5114, 0.3907



6.3044, 0.3356, 0.3971



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.5782, 0.3619, 0.5246



23.6371, 0.3586, 0.5501



12.2311, 0.3098, 0.5610



3.8580, 0.3203, 0.3501



14.9280, 0.3585, 0.5535



73.8615, 0.3553, 0.5561

Inverse Universe

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



2.6470, 0.2099, 0.1129



3.1635, 0.1856, 0.0821



4.5724, 0.2956, 0.1562



3.3545, 0.3047, 0.3077



1.8875, 0.1829, 0.0781



8.9496, 0.1776, 0.0752

Previews

White Background



This preview shows how the Yxy color 13.5776, 0.3619, 0.5246 looks on a white 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

Black Background



This preview shows how the Yxy color 13.5776, 0.3619, 0.5246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

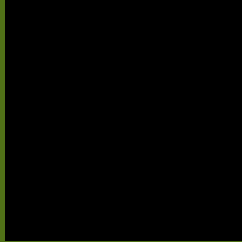
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5776, 0.3619, 0.5246

Background



This preview shows how black text looks on a background with the Yxy color 13.5776, 0.3619, 0.5246.



This preview shows how white text looks on a background with the Yxy color 13.5776, 0.3619, 0.5246.

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

13.5776, 0.3619, 0.5246

Protanopia

13.4640, 0.4309, 0.4764

Deuteranopia

13.5014, 0.4503, 0.4448



Tritanopia

13.4917, 0.2818, 0.3089

Trichromacy



Original Color

13.5776, 0.3619, 0.5246

Protanomaly

13.4531, 0.4044, 0.4952

Deuteranomaly

13.1638, 0.4177, 0.4734

Tritanomaly

13.2976, 0.3164, 0.3938

Monochromacy



Original Color

13.5776, 0.3619, 0.5246

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6064, 0.3385, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5776, 0.3619, 0.5246 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(80, 113, 23)` looks like.

```
.text, #text, p{  
  color:rgb(80, 113, 23)  
}
```

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(80, 113, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 113, 23) }
```

Border

The CSS property to change the border of an element to Yxy 13.5776, 0.3619, 0.5246 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(80, 113, 23) }
```

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

```
.border{ border-color:rgb(80, 113, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 113, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 113, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 113, 23);  
box-shadow:4px 4px 4px 4px rgb(80, 113,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5776, 0.3619, 0.5246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 113, 23) }
```

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

```
.background{ background-color: rgb(80, 113,  
23) }
```

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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