

Converting Colors

$Y_{xy}(12.9754, 0.3351, 0.5721)$

Have a look what the booklet for
Yxy(12.9754, 0.3351, 0.5721)
contains.

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Color

Yxy(13.0457, 0.3354, 0.5719)

Conversions

Conversions Part 1

Format	Color
Hex	367300
RGB	54, 115, 0
RGB Percent	21%, 45%, 0%
CMY	0.7883, 0.5490, 1.0000
CMYK	0.53, 0.00, 1.00, 0.55
HSL	92°, 100%, 23%
HSV	92°, 100%, 45%
XYZ	7.6509, 13.0457, 2.1146
YIQ	83.6510, 0.5590, -48.6970

Conversions

Conversions Part 2

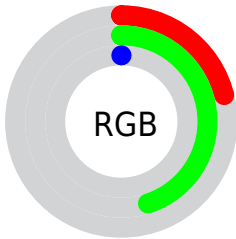
Format	Color
RYB	0, 115, 61
Decimal	3568384
CIELab	42.83, -37.70, 47.68
CIELCh	43, 60.780, 128.335
Yxy	13.0457, 0.3354, 0.5719
Android (android.graphics.Color)	4281758464 (0xFF367300)
YUV	83.6510, -41.2399, -26.0039
Hunter-Lab	36.1188, -25.3972, 21.8120

Details

The Yxy color **13.0457, 0.3354, 0.5719** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.2311, 0.2124, 0.0944**, and the grayscale version is **8.8753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5303, 0.3394, 0.5089**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.0463, 0.3354, 0.5719**, and if you desaturate by 10%, it is **13.2511, 0.3391, 0.5573**.

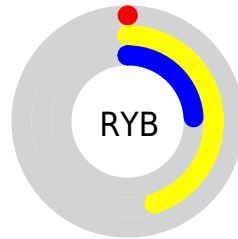
Distribution



Red (21%)

Green (45%)

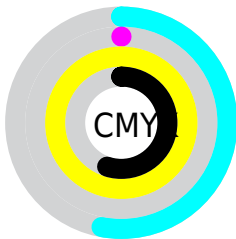
Blue (0%)



Red (0%)

Yellow (45%)

Blue (24%)

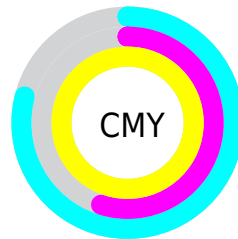


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (79%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0457, 0.3354, 0.5719 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 13.0457, 0.3354, 0.5719 by changing the saturation by 10% instead.


 13.0457, 0.3354,
0.5719


 13.0457, 0.3354,
0.5719


211.2103, 0.3330,
0.4201


 7.4600, 0.3267,
0.6213


 31.3859, 0.3398,
0.5087

 3.7514, 0.3065,
0.6935

 44.9091, 0.3394,
0.4873

 1.5355, 0.2187,
0.7813

 61.8471, 0.3385,
0.4702

 0.3135, 0.0000,
1.0000


 82.5840, 0.3374,
0.4564

 0.0000, 0.0000,
0.0000

 107.5045, 0.3362,
0.4449


 136.9927, 0.3351,


0.4353

 171.4332, 0.3340,
0.4271


 13.0457, 0.3354,
0.5719


 13.0457, 0.3354,
0.5719

 13.0463, 0.3354,
0.5719

 13.2511, 0.3391,
0.5573

 13.4891, 0.3418,
0.5396

 13.7698, 0.3426,
0.5173

 14.0961, 0.3416,
0.4914

 14.4707, 0.3389,
0.4634

■ 14.8960, 0.3349,
0.4346

■ 15.3741, 0.3300,
0.4060

■ 15.9073, 0.3245,
0.3786

■ 16.4973, 0.3186,
0.3528

Harmonies

Analogous

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



13.0457, 0.4433, 0.5186



13.0457, 0.3354, 0.5719



13.0457, 0.2276, 0.5100

Triad

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



13.0457, 0.3354, 0.5719



13.0457, 0.1235, 0.1716



13.0457, 0.4960, 0.2756

Complementary

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



13.0457, 0.3354, 0.5719



2.2311, 0.2124, 0.0944

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.



13.0457, 0.3681, 0.2118



13.0457, 0.3354, 0.5719



13.0457, 0.1632, 0.1550

Square

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



13.0457, 0.3354, 0.5719



13.0457, 0.1178, 0.2315



13.0457, 0.2442, 0.1695



13.0457, 0.5565, 0.3492

Rectangle

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



13.0457, 0.3354, 0.5719



13.0457, 0.1705, 0.4080



13.0457, 0.2442, 0.1695



13.0457, 0.4575, 0.2527

Sweetspot

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



13.0463, 0.3354, 0.5719



27.4565, 0.3304, 0.4082



6.8165, 0.5300, 0.4174



6.4799, 0.3321, 0.4177



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.0463, 0.3354, 0.5719



23.2813, 0.3336, 0.5733



12.2670, 0.2995, 0.5982



4.1746, 0.3181, 0.3505



14.9004, 0.3349, 0.5723



72.1101, 0.3312, 0.5752

Inverse Universe

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



2.2311, 0.2124, 0.0944



3.9153, 0.2100, 0.0930



4.8395, 0.3249, 0.1564



3.6766, 0.3070, 0.3076



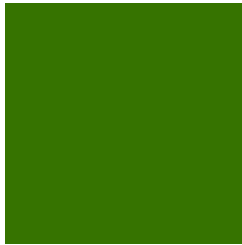
2.5375, 0.2118, 0.0940



11.8519, 0.2067, 0.0912

Previews

White Background



This preview shows how the Yxy color 13.0457, 0.3354, 0.5719 looks on a white background.

Color Contrast Check

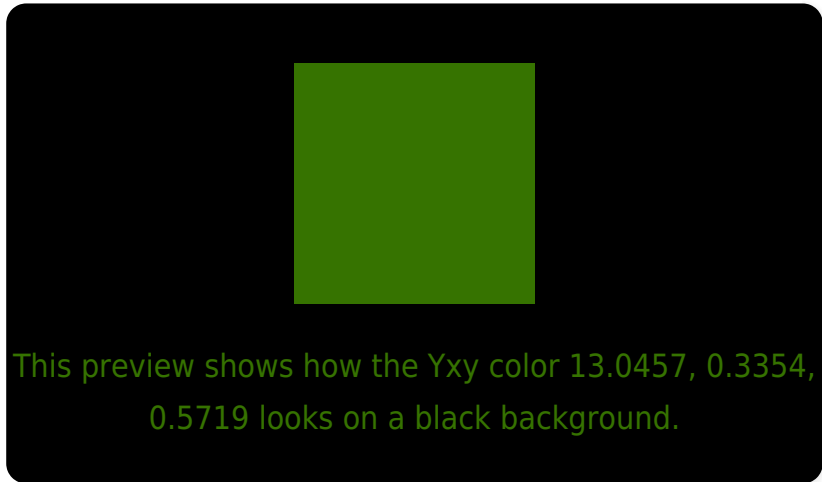
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

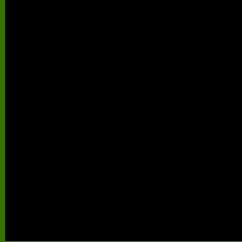
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0457, 0.3354, 0.5719

Background



This preview shows how black text looks on a background with the Yxy color 13.0457, 0.3354, 0.5719.



This preview shows how white text looks on a background with the Yxy color 13.0457, 0.3354, 0.5719.

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

13.0457, 0.3354, 0.5719

Protanopia

12.8848, 0.4399, 0.4889

Deuteranopia

12.9437, 0.4562, 0.4508



Tritanopia

13.0553, 0.2584, 0.3101

Trichromacy



Original Color

13.0457, 0.3354, 0.5719

Protanomaly

12.5834, 0.3974, 0.5227

Deuteranomaly

12.4443, 0.4084, 0.4987

Tritanomaly

12.7229, 0.2974, 0.4254

Monochromacy



Original Color

13.0457, 0.3354, 0.5719

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.8579, 0.3368, 0.4437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0457, 0.3354, 0.5719 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(54, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(54, 115, 0)  
}
```

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(54, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0457, 0.3354, 0.5719 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(54, 115, 0) }
```

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

```
.border{ border-color:rgb(54, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(54, 115, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0457, 0.3354, 0.5719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 115, 0) }
```

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

```
.background{ background-color: rgb(54, 115,  
0) }
```

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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