

Converting Colors

$Y_{xy}(13.4595, 0.3337, 0.5732)$

Have a look what the booklet for
Yxy(13.4595, 0.3337, 0.5732)
contains.

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Color

Yxy(13.4795, 0.3332, 0.5736)

Conversions

Conversions Part 1

Format	Color
Hex	357500
RGB	53, 117, 0
RGB Percent	21%, 46%, 0%
CMY	0.7921, 0.5412, 0.9998
CMYK	0.55, 0.00, 1.00, 0.54
HSL	93°, 100%, 23%
HSV	93°, 100%, 46%
XYZ	7.8301, 13.4795, 2.1902
YIQ	84.5260, -0.5870, -49.9550

Conversions

Conversions Part 2

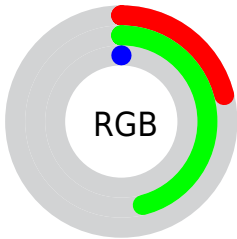
Format	Color
RYB	0, 117, 64
Decimal	3503360
CIELab	43.48, -38.81, 48.15
CIElCh	43, 61.844, 128.864
Yxy	13.4795, 0.3332, 0.5736
Android (android.graphics.Color)	4281693440 (0xFF357500)
YUV	84.5260, -41.6713, -27.6483
Hunter-Lab	36.7144, -26.1813, 22.1632

Details

The Yxy color **13.4795, 0.3332, 0.5736** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.3764, 0.2156, 0.0962**, and the grayscale version is **9.0707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2745, 0.3387, 0.5107**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.4793, 0.3332, 0.5737**, and if you desaturate by 10%, it is **13.6912, 0.3370, 0.5590**.

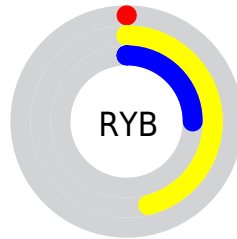
Distribution



Red (21%)

Green (46%)

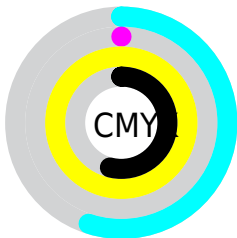
Blue (0%)



Red (0%)

Yellow (46%)

Blue (25%)

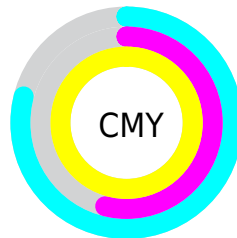


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (79%)


Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4795, 0.3332, 0.5736 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 13.4795, 0.3332, 0.5736 by changing the saturation by 10% instead.


 13.4795, 0.3332,
0.5736


 13.4795, 0.3332,
0.5736


213.9683, 0.3323,
0.4212


 7.7596, 0.3239,
0.6225


 32.1626, 0.3381,
0.5103


 3.9415, 0.3042,
0.6958

 45.8945, 0.3380,
0.4888

 1.6409, 0.2229,
0.7771

 63.0659, 0.3373,
0.4717

 0.3849, 0.0000,
1.0000

 84.0611, 0.3363,
0.4577

 0.0000, 0.0000,
0.0000

 109.2645, 0.3353,
0.4462


 139.0606, 0.3342,

0.4365


 173.8337, 0.3332,
0.4283


 13.4795, 0.3332,
0.5736


 13.4795, 0.3332,
0.5736


 13.4793, 0.3332,
0.5737

 13.6912, 0.3370,
0.5590

 13.9383, 0.3399,
0.5412

 14.2310, 0.3409,
0.5186

 14.5727, 0.3401,
0.4925

 14.9660, 0.3376,
0.4641

■ 15.4136, 0.3339,
0.4350

■ 15.9179, 0.3292,
0.4063

■ 16.4810, 0.3240,
0.3786

■ 17.1050, 0.3184,
0.3528

Harmonies

Analogous

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



13.4795, 0.4418, 0.5208



13.4795, 0.3332, 0.5736



13.4795, 0.2252, 0.5091

Triad

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



13.4795, 0.3332, 0.5736



13.4795, 0.1231, 0.1702



13.4795, 0.4989, 0.2764

Complementary

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



13.4795, 0.3332, 0.5736



2.3764, 0.2156, 0.0962

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.



13.4795, 0.3708, 0.2122



13.4795, 0.3332, 0.5736



13.4795, 0.1635, 0.1542

Square

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



13.4795, 0.3332, 0.5736



13.4795, 0.1168, 0.2293



13.4795, 0.2456, 0.1693



13.4795, 0.5581, 0.3503

Rectangle

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



13.4795, 0.3332, 0.5736



13.4795, 0.1684, 0.4056



13.4795, 0.2456, 0.1693



13.4795, 0.4606, 0.2534

Sweetspot

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



13.4801, 0.3332, 0.5736



28.4266, 0.3296, 0.4086



7.2733, 0.5255, 0.4209



6.4653, 0.3312, 0.4180



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.



13.4801, 0.3332, 0.5736



24.0583, 0.3314, 0.5750



12.7317, 0.2990, 0.5963



4.1719, 0.3178, 0.3505



14.8420, 0.3329, 0.5739



71.8314, 0.3292, 0.5769

Inverse Universe

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



2.3764, 0.2156, 0.0962



4.1713, 0.2132, 0.0948



4.9775, 0.3291, 0.1587



3.6794, 0.3072, 0.3076



2.6072, 0.2151, 0.0959



12.1910, 0.2101, 0.0931

Previews

White Background



This preview shows how the Yxy color 13.4795, 0.3332, 0.5736 looks on a white background.

Color Contrast Check

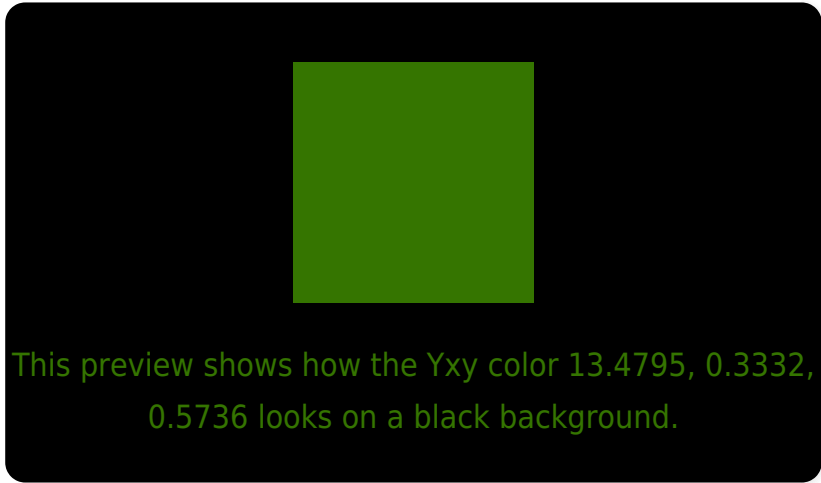
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4795, 0.3332, 0.5736

Background



This preview shows how black text looks on a background with the Yxy color 13.4795, 0.3332, 0.5736.



This preview shows how white text looks on a background with the Yxy color 13.4795, 0.3332, 0.5736.

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

13.4795, 0.3332, 0.5736

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.2825, 0.4575, 0.4504



Tritanopia

13.5474, 0.2562, 0.3081

Trichromacy



Original Color

13.4795, 0.3332, 0.5736

Protanomaly

13.0523, 0.3962, 0.5236

Deuteranomaly

12.7018, 0.4086, 0.4989

Tritanomaly

13.1863, 0.2953, 0.4242

Monochromacy



Original Color

13.4795, 0.3332, 0.5736

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.2322, 0.3346, 0.4453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4795, 0.3332, 0.5736 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(53, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 117, 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(53, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.4795, 0.3332, 0.5736 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(53, 117, 0) }
```

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

```
.border{ border-color:rgb(53, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(53, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(53, 117, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4795, 0.3332, 0.5736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 117, 0) }
```

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

```
.background{ background-color: rgb(53, 117,  
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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