

Converting Colors

$Y_{xy}(13.1450, 0.5916, 0.3635)$

Have a look what the booklet for
Yxy(13.1450, 0.5916, 0.3635)
contains.

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Color

Yxy(13.1580, 0.5924, 0.3632)

Conversions

Conversions Part 1

Format	Color
Hex	B93807
RGB	185, 56, 7
RGB Percent	73%, 22%, 3%
CMY	0.2745, 0.7804, 0.9727
CMYK	0.00, 0.70, 0.96, 0.27
HSL	17°, 93%, 38%
HSV	17°, 96%, 73%
XYZ	21.4615, 13.1580, 1.6085
YIQ	88.9850, 92.6130, 12.1090

Conversions

Conversions Part 2

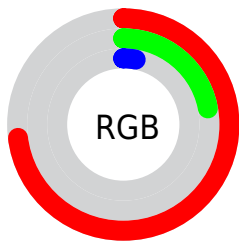
Format	Color
R_{YB}	185, 75, 7
Decimal	12138503
CIE Lab	43.00, 50.16, 52.65
CIE LCh	43, 72.718, 46.389
Yxy	13.1580, 0.5924, 0.3632
Android (android.graphics.Color)	4290328583 (0xFFB93807)
YUV	88.9850, -40.4186, 84.2052
Hunter-Lab	36.2740, 42.1299, 22.7626

Details

The Yxy color **13.1580, 0.5924, 0.3632** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **21.1486, 0.2009, 0.2407**, and the grayscale version is **10.0617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6178, 0.5344, 0.3717**, and **4.2110, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.6788, 0.6020, 0.3602**, and if you desaturate by 10%, it is **14.6937, 0.5636, 0.3707**.

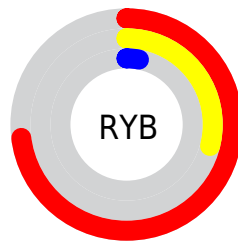
Distribution



Red (73%)

Green (22%)

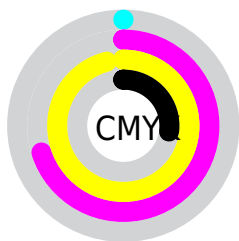
Blue (3%)



Red (73%)

Yellow (29%)

Blue (3%)

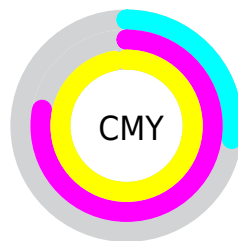


Cyan (0%)

Magenta (70%)

Yellow (96%)

Black (27%)



Cyan (27%)


Magenta (78%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1580, 0.5924, 0.3632 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 13.1580, 0.5924, 0.3632 by changing the saturation by 10% instead.


 13.1580, 0.5924,
0.3632


 13.1580, 0.5924,
0.3632


 211.9278, 0.4350,
0.3652


 7.5374, 0.6341,
0.3520


 31.5873, 0.5342,
0.3722

 3.8004, 0.6754,
0.3246

 45.1649, 0.5122,
0.3727


 1.5626, 0.7234,
0.2766

 62.1636, 0.4938,
0.3722

 0.3322, 0.8406,
0.1594

 82.9678, 0.4782,
0.3711

 0.0000, 1.0000,
0.0000


 107.9620, 0.4649,
0.3697


 0.0000, 0.0000,
0.0000


 137.5304, 0.4535,

0.3682

 172.0576, 0.4436,
0.3667

 13.1580, 0.5924,
0.3632


 13.1580, 0.5924,
0.3632

 12.6788, 0.6020,
0.3602

 14.6937, 0.5636,
0.3707

 16.6543, 0.5284,
0.3738

 19.0733, 0.4906,
0.3729

 21.9791, 0.4535,
0.3688

 25.3976, 0.4193,
0.3626

■ 29.3528, 0.3892,
0.3554

■ 33.8670, 0.3632,
0.3478

■ 38.9615, 0.3412,
0.3403

■ 44.6562, 0.3227,
0.3332

Harmonies

Analogous

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



13.1580, 0.5586, 0.2840



13.1580, 0.5924, 0.3632



13.1580, 0.5315, 0.4600

Triad

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



13.1580, 0.5924, 0.3632



13.1580, 0.1803, 0.5039



13.1580, 0.1618, 0.1348

Complementary

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



13.1580, 0.5924, 0.3632



21.1486, 0.2009, 0.2407

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.



13.1580, 0.1091, 0.1414



13.1580, 0.5924, 0.3632



13.1580, 0.1117, 0.3074

Square

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



13.1580, 0.5924, 0.3632



13.1580, 0.2933, 0.6189



13.1580, 0.0928, 0.1888



13.1580, 0.2655, 0.1588

Rectangle

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



13.1580, 0.5924, 0.3632



13.1580, 0.4607, 0.5340



13.1580, 0.0928, 0.1888



13.1580, 0.1394, 0.1335

Sweetspot

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



13.1588, 0.5924, 0.3632



57.9202, 0.3712, 0.3503



12.2878, 0.3983, 0.1986



11.7518, 0.3822, 0.3535



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.1588, 0.5924, 0.3632



22.3711, 0.6047, 0.3581



30.1151, 0.4643, 0.4670



9.4041, 0.3281, 0.3354



8.7393, 0.5998, 0.3620



0.4153, 0.5478, 0.4033

Inverse Universe

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



21.1486, 0.2009, 0.2407



36.4236, 0.1987, 0.2353



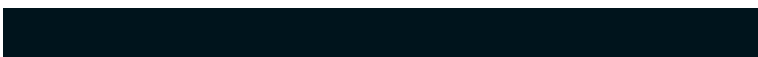
5.7037, 0.1598, 0.0918



9.7810, 0.2985, 0.3226



14.1307, 0.1995, 0.2382



0.5959, 0.2068, 0.2644

Previews

White Background



This preview shows how the Yxy color 13.1580, 0.5924, 0.3632 looks on a white background.

Color Contrast Check

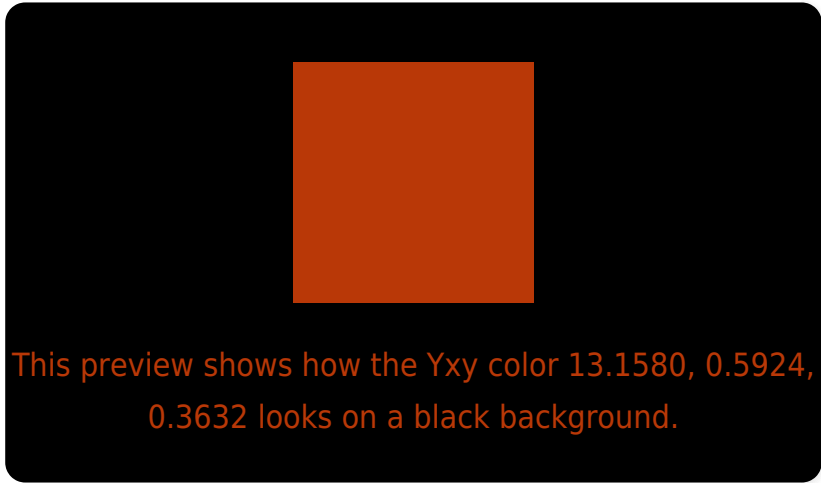
Large Text (above 18pt) WCAG AA ✓ Pass

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

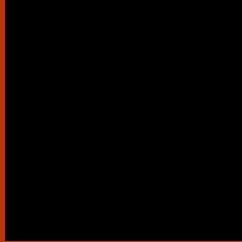
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1580, 0.5924, 0.3632

Background



This preview shows how black text looks on a background with the Yxy color 13.1580, 0.5924, 0.3632.



This preview shows how white text looks on a background with the Yxy color 13.1580, 0.5924, 0.3632.

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

13.1580, 0.5924, 0.3632

Protanopia

13.4033, 0.4282, 0.4757

Deuteranopia

13.2165, 0.4694, 0.4655



Tritanopia

13.1709, 0.5497, 0.3266

Trichromacy



Original Color

13.1580, 0.5924, 0.3632

Protanomaly

12.2715, 0.4969, 0.4281

Deuteranomaly

12.4307, 0.5224, 0.4209

Tritanomaly

13.1252, 0.5724, 0.3435

Monochromacy



Original Color

13.1580, 0.5924, 0.3632

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9086, 0.4339, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1580, 0.5924, 0.3632 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(185, 56, 7)` looks like.

```
.text, #text, p{  
    color:rgb(185, 56, 7)  
}
```

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(185, 56, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 56, 7) }
```

Border

The CSS property to change the border of an element to Yxy 13.1580, 0.5924, 0.3632 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(185, 56, 7) }
```

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

```
.border{ border-color:rgb(185, 56, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 56, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 56, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 56, 7);  
box-shadow:4px 4px 4px 4px rgb(185, 56, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1580, 0.5924, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 56, 7) }
```

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

```
.background{ background-color: rgb(185, 56,  
7) }
```

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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