

Converting Colors

$Y_{xy}(12.7316, 0.5879, 0.3510)$

Have a look what the booklet for
Yxy(12.7316, 0.5879, 0.3510)
contains.

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Color

Yxy(12.7479, 0.5883, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	B93318
RGB	185, 51, 24
RGB Percent	73%, 20%, 9%
CMY	0.2744, 0.8001, 0.9058
CMYK	0.00, 0.72, 0.87, 0.27
HSL	10°, 77%, 41%
HSV	10°, 87%, 73%
XYZ	21.3603, 12.7479, 2.2003
YIQ	87.9880, 88.5310, 20.0110

Conversions

Conversions Part 2

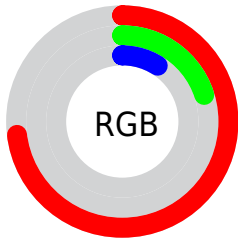
Format	Color
R_{YB}	185, 56, 24
Decimal	12137240
CIE Lab	42.38, 52.35, 46.18
CIE LCh	42, 69.807, 41.418
Yxy	12.7479, 0.5883, 0.3511
Android (android.graphics.Color)	4290327320 (0xFFB93318)
YUV	87.9880, -31.5461, 85.0795
Hunter-Lab	35.7042, 44.3064, 21.3392

Details

The Yxy color **12.7479, 0.5883, 0.3511** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **28.1750, 0.2142, 0.2824**, and the grayscale version is **9.8108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7195, 0.5279, 0.3604**, and **4.2110, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.5651, 0.6162, 0.3449**, and if you desaturate by 10%, it is **14.4292, 0.5508, 0.3547**.

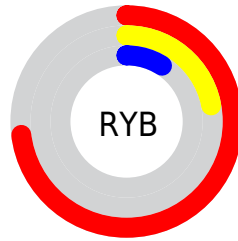
Distribution



Red (73%)

Green (20%)

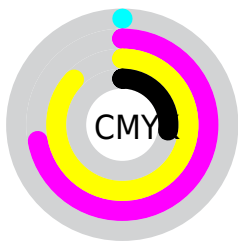
Blue (9%)



Red (73%)

Yellow (22%)

Blue (9%)

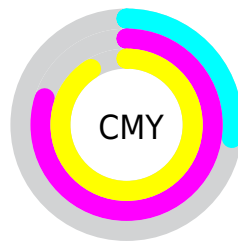


Cyan (0%)

Magenta (72%)

Yellow (87%)

Black (27%)



Cyan (27%)

Magenta (80%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7479, 0.5883, 0.3511 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 12.7479, 0.5883, 0.3511 by changing the saturation by 10% instead.


 12.7479, 0.5883,
0.3511


 12.7479, 0.5883,
0.3511


209.2956, 0.4294,
0.3568


 7.2552, 0.6300,
0.3385


 30.8501, 0.5277,
0.3604


 3.6222, 0.6844,
0.3156

 44.2284, 0.5054,
0.3614

 1.4646, 0.7346,
0.2654

 61.0040, 0.4870,
0.3614

 0.2636, 0.8679,
0.1321

 81.5614, 0.4716,
0.3608

 0.0000, 1.0000,
0.0000

 106.2848, 0.4586,
0.3599

 0.0000, 0.0000,
0.0000


 135.5587, 0.4474,


0.3589

 169.7675, 0.4378,
0.3579

 12.7479, 0.5883,
0.3511


 12.7479, 0.5883,
0.3511


 11.5651, 0.6162,
0.3449


 14.4292, 0.5508,
0.3547

 11.2955, 0.6232,
0.3434

 16.6567, 0.5088,
0.3552

 19.4741, 0.4670,
0.3534

 22.9198, 0.4286,
0.3499

 27.0290, 0.3952,
0.3456

■ 31.8342, 0.3670,
0.3409

■ 37.3658, 0.3436,
0.3363

■ 43.6523, 0.3242,
0.3319

■ 50.7207, 0.3083,
0.3278

Harmonies

Analogous

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



12.7479, 0.5351, 0.2736



12.7479, 0.5883, 0.3511



12.7479, 0.5414, 0.4418

Triad

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



12.7479, 0.5883, 0.3511



12.7479, 0.2008, 0.5276



12.7479, 0.1533, 0.1374

Complementary

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



12.7479, 0.5883, 0.3511



28.1750, 0.2142, 0.2824

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.



12.7479, 0.1078, 0.1498



12.7479, 0.5883, 0.3511



12.7479, 0.1236, 0.3369

Square

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



12.7479, 0.5883, 0.3511



12.7479, 0.3159, 0.6106



12.7479, 0.0973, 0.2061



12.7479, 0.2462, 0.1563

Rectangle

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



12.7479, 0.5883, 0.3511



12.7479, 0.4777, 0.5131



12.7479, 0.0973, 0.2061



12.7479, 0.1337, 0.1378

Sweetspot

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



12.7487, 0.5883, 0.3511



57.5482, 0.3655, 0.3406



13.4463, 0.3604, 0.1827



11.7331, 0.3745, 0.3422



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.



12.7487, 0.5883, 0.3511



19.9991, 0.6253, 0.3417



26.7112, 0.4757, 0.4483



9.2487, 0.3284, 0.3329



7.7637, 0.6214, 0.3448



0.3495, 0.5773, 0.3798

Inverse Universe

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



28.1750, 0.2142, 0.2824



47.3836, 0.2094, 0.2738



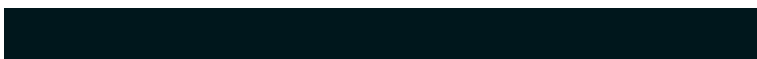
9.1031, 0.1741, 0.1339



9.9478, 0.2985, 0.3251



18.2200, 0.2099, 0.2755



0.7110, 0.2141, 0.2907

Previews

White Background



This preview shows how the Yxy color 12.7479, 0.5883, 0.3511 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 12.7479, 0.5883, 0.3511 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 12.7479, 0.5883, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 12.7479, 0.5883, 0.3511.



This preview shows how white text looks on a background with the Yxy color 12.7479, 0.5883, 0.3511.

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

12.7479, 0.5883, 0.3511

Protanopia

12.9454, 0.4167, 0.4579

Deuteranopia

12.9549, 0.4698, 0.4652



Tritanopia

12.7833, 0.5611, 0.3278

Trichromacy



Original Color

12.7479, 0.5883, 0.3511

Protanomaly

11.7798, 0.4881, 0.4107

Deuteranomaly

12.1466, 0.5234, 0.4152

Tritanomaly

12.7958, 0.5728, 0.3370

Monochromacy



Original Color

12.7479, 0.5883, 0.3511

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.6248, 0.4231, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7479, 0.5883, 0.3511 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, 51, 24)` looks like.

```
.text, #text, p{  
    color:rgb(185, 51, 24)  
}
```

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, 51, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 51, 24) }
```

Border

The CSS property to change the border of an element to Yxy 12.7479, 0.5883, 0.3511 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, 51, 24) }
```

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

```
.border{ border-color:rgb(185, 51, 24) }
```

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

Here you see how a box with a 4 pixel rgb(185, 51, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 51, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 51, 24);  
box-shadow:4px 4px 4px 4px rgb(185, 51,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7479, 0.5883, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 51, 24) }
```

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

```
.background{ background-color: rgb(185, 51,  
24) }
```

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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