

Converting Colors

$Y_{xy}(12.0933, 0.5935, 0.3501)$

Have a look what the booklet for
Yxy(12.0933, 0.5935, 0.3501)
contains.

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Color

Yxy(12.1131, 0.5926, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	B63015
RGB	182, 48, 21
RGB Percent	71%, 19%, 8%
CMY	0.2862, 0.8118, 0.9174
CMYK	0.00, 0.74, 0.88, 0.29
HSL	10°, 79%, 40%
HSV	10°, 88%, 71%
XYZ	20.4858, 12.1131, 1.9705
YIQ	84.9880, 88.5310, 20.0110

Conversions

Conversions Part 2

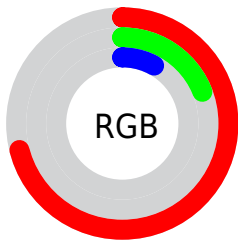
Format	Color
R _Y B	182, 53, 21
Decimal	11939861
CIE Lab	41.40, 52.39, 46.45
CIE LCh	41, 70.016, 41.560
Yxy	12.1131, 0.5926, 0.3504
Android (android.graphics.Color)	4290129941 (0xFFB63015)
YUV	84.9880, -31.5461, 85.0795
Hunter-Lab	34.8039, 44.1595, 21.0060

Details

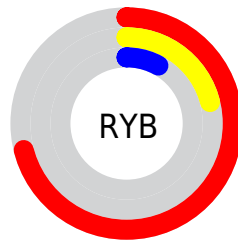
The Yxy color **12.1131, 0.5926, 0.3504** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **27.0044, 0.2137, 0.2816**, and the grayscale version is **9.1359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7305, 0.5305, 0.3613**, and **3.9931, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.0312, 0.6194, 0.3442**, and if you desaturate by 10%, it is **13.6657, 0.5562, 0.3544**.

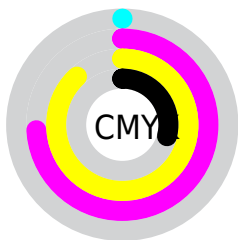
Distribution



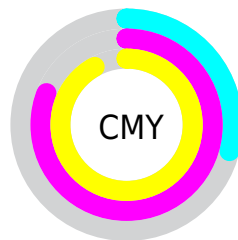
- Red (71%)
- Green (19%)
- Blue (8%)



- Red (71%)
- Yellow (21%)
- Blue (8%)



- Cyan (0%)
- Magenta (74%)
- Yellow (88%)
- Black (29%)





- Cyan (29%)
- Magenta (81%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1131, 0.5926, 0.3504 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 12.1131, 0.5926, 0.3504 by changing the saturation by 10% instead.


 12.1131, 0.5926,
0.3504


 12.1131, 0.5926,
0.3504


205.1526, 0.4306,
0.3572


 6.8208, 0.6361,
0.3374


 29.7009, 0.5308,
0.3605

 3.3503, 0.6886,
0.3114

 42.7652, 0.5080,
0.3616


 1.3172, 0.7409,
0.2591

 59.1889, 0.4892,
0.3617

 0.1545, 0.9105,
0.0895

 79.3564, 0.4735,
0.3612


 0.0000, 1.0000,
0.0000


 103.6521, 0.4602,
0.3603


 0.0000, 0.0000,
0.0000

 132.4605, 0.4489,

0.3593


 166.1659, 0.4391,
0.3582


 12.1131, 0.5926,
0.3504

 12.1131, 0.5926,
0.3504

 11.0312, 0.6194,
0.3442


 13.6657, 0.5562,
0.3544

 10.8982, 0.6231,
0.3435

 15.7380, 0.5145,
0.3553

 18.3724, 0.4725,
0.3537

 21.6064, 0.4336,
0.3504

 25.4742, 0.3995,
0.3462

■ 30.0074, 0.3706,
0.3416

■ 35.2353, 0.3466,
0.3369

■ 41.1857, 0.3267,
0.3325

■ 47.8847, 0.3104,
0.3284

Harmonies

Analogous

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



12.1131, 0.5398, 0.2726



12.1131, 0.5926, 0.3504



12.1131, 0.5444, 0.4429

Triad

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



12.1131, 0.5926, 0.3504



12.1131, 0.1978, 0.5316



12.1131, 0.1514, 0.1350

Complementary

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



12.1131, 0.5926, 0.3504



27.0044, 0.2137, 0.2816

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.



12.1131, 0.1055, 0.1471



12.1131, 0.5926, 0.3504



12.1131, 0.1204, 0.3356

Square

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



12.1131, 0.5926, 0.3504



12.1131, 0.3139, 0.6162



12.1131, 0.0946, 0.2033



12.1131, 0.2455, 0.1541

Rectangle

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



12.1131, 0.5926, 0.3504



12.1131, 0.4795, 0.5164



12.1131, 0.0946, 0.2033



12.1131, 0.1316, 0.1353

Sweetspot

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



12.1138, 0.5926, 0.3504



55.2648, 0.3681, 0.3411



12.8573, 0.3612, 0.1822



11.5497, 0.3772, 0.3427



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.



12.1138, 0.5926, 0.3504



19.5271, 0.6252, 0.3418



25.5324, 0.4777, 0.4484



9.2487, 0.3284, 0.3329



7.7634, 0.6214, 0.3448



0.3495, 0.5773, 0.3798

Inverse Universe

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



27.0044, 0.2137, 0.2816



46.2652, 0.2094, 0.2738



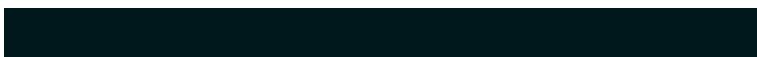
8.5303, 0.1728, 0.1310



9.9479, 0.2985, 0.3251



18.2222, 0.2099, 0.2755



0.7111, 0.2141, 0.2907

Previews

White Background



This preview shows how the Yxy color 12.1131, 0.5926, 0.3504 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 12.1131, 0.5926, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

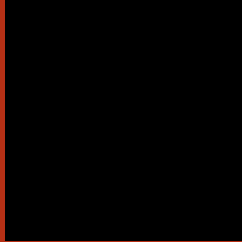
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1131, 0.5926, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 12.1131, 0.5926, 0.3504.



This preview shows how white text looks on a background with the Yxy color 12.1131, 0.5926, 0.3504.

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

12.1131, 0.5926, 0.3504

Protanopia

12.3485, 0.4175, 0.4616

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.1493, 0.5661, 0.3278

Trichromacy



Original Color

12.1131, 0.5926, 0.3504

Protanomaly

11.0603, 0.4923, 0.4111

Deuteranomaly

11.4363, 0.5261, 0.4135

Tritanomaly

12.1612, 0.5777, 0.3369

Monochromacy



Original Color

12.1131, 0.5926, 0.3504

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.9756, 0.4267, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1131, 0.5926, 0.3504 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(182, 48, 21)` looks like.

```
.text, #text, p{  
    color:rgb(182, 48, 21)  
}
```

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(182, 48, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 48, 21) }
```

Border

The CSS property to change the border of an element to Yxy 12.1131, 0.5926, 0.3504 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(182, 48, 21) }
```

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

```
.border{ border-color:rgb(182, 48, 21) }
```

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

Here you see how a box with a 4 pixel rgb(182, 48, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 48, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 48, 21);  
box-shadow:4px 4px 4px 4px rgb(182, 48,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1131, 0.5926, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 48, 21) }
```

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

```
.background{ background-color: rgb(182, 48,  
21) }
```

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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