

Converting Colors

$Y_{xy}(13.6935, 0.5788, 0.3513)$

Have a look what the booklet for
Yxy(13.6935, 0.5788, 0.3513)
contains.

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Color

Yxy(13.7461, 0.5785, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	BD381F
RGB	189, 56, 31
RGB Percent	74%, 22%, 12%
CMY	0.2588, 0.7804, 0.8784
CMYK	0.00, 0.70, 0.84, 0.26
HSL	9°, 72%, 43%
HSV	9°, 84%, 74%
XYZ	22.6492, 13.7461, 2.7563
YIQ	92.9170, 87.2930, 20.4210

Conversions

Conversions Part 2

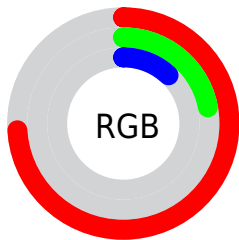
Format	Color
RYB	189, 61, 31
Decimal	12400671
CIELab	43.87, 51.94, 44.49
CIELCh	44, 68.392, 40.585
Yxy	13.7461, 0.5785, 0.3511
Android (android.graphics.Color)	4290590751 (0xFFBD381F)
YUV	92.9170, -30.5251, 84.2648
Hunter-Lab	37.0757, 44.1611, 21.5453

Details

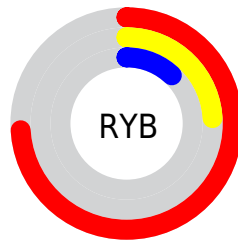
The Yxy color **13.7461, 0.5785, 0.3511** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **30.5218, 0.2165, 0.2869**, and the grayscale version is **10.9836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6144, 0.5197, 0.3591**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.3700, 0.6098, 0.3458**, and if you desaturate by 10%, it is **15.6723, 0.5387, 0.3536**.

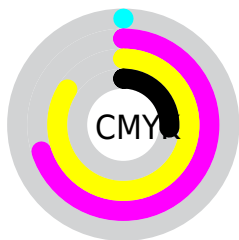
Distribution



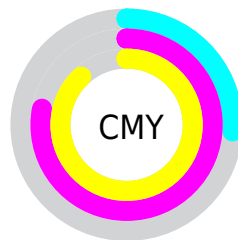
- Red (74%)
- Green (22%)
- Blue (12%)



- Red (74%)
- Yellow (24%)
- Blue (12%)



- Cyan (0%)
- Magenta (70%)
- Yellow (84%)
- Black (26%)




- Cyan (26%)
- Magenta (78%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7461, 0.5785, 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 13.7461, 0.5785, 0.3511 by changing the saturation by 10% instead.


 13.7461, 0.5785,
0.3511


 13.7461, 0.5785,
0.3511


215.6455, 0.4256,
0.3551


 7.9443, 0.6185,
0.3399


 32.6378, 0.5200,
0.3589


 4.0593, 0.6773,
0.3227

 46.4966, 0.4986,
0.3596


 1.7068, 0.7243,
0.2757

 63.8097, 0.4809,
0.3595

 0.4281, 0.8222,
0.1778

 84.9616, 0.4661,
0.3589

 0.0000, 1.0000,
0.0000

 110.3368, 0.4536,
0.3580

 0.0000, 0.0000,
0.0000


 140.3196, 0.4429,

0.3571


 175.2944, 0.4337,
0.3561


 13.7461, 0.5785,
0.3511

 13.7461, 0.5785,
0.3511

 12.3700, 0.6098,
0.3458

 15.6723, 0.5387,
0.3536

 11.7430, 0.6248,
0.3421

 18.1971, 0.4958,
0.3534

 21.3662, 0.4545,
0.3511

 25.2203, 0.4173,
0.3474

 29.7964, 0.3854,
0.3432

■ 35.1291, 0.3587,
0.3388

■ 41.2506, 0.3366,
0.3345

■ 48.1914, 0.3184,
0.3304

■ 55.9801, 0.3035,
0.3266

Harmonies

Analogous

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



13.7461, 0.5228, 0.2746



13.7461, 0.5785, 0.3511



13.7461, 0.5368, 0.4384

Triad

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



13.7461, 0.5785, 0.3511



13.7461, 0.2092, 0.5216



13.7461, 0.1566, 0.1429

Complementary

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



13.7461, 0.5785, 0.3511



30.5218, 0.2165, 0.2869

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.



13.7461, 0.1128, 0.1564



13.7461, 0.5785, 0.3511



13.7461, 0.1316, 0.3423

Square

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



13.7461, 0.5785, 0.3511



13.7461, 0.3222, 0.5980



13.7461, 0.1036, 0.2139



13.7461, 0.2459, 0.1605

Rectangle

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



13.7461, 0.5785, 0.3511



13.7461, 0.4762, 0.5051



13.7461, 0.1036, 0.2139



13.7461, 0.1376, 0.1436

Sweetspot

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



13.7469, 0.5785, 0.3511



61.0846, 0.3632, 0.3396



14.5278, 0.3542, 0.1819



12.3995, 0.3723, 0.3411



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



13.7469, 0.5785, 0.3511



20.8094, 0.6268, 0.3405



27.8879, 0.4738, 0.4446



9.7736, 0.3284, 0.3327



7.9749, 0.6231, 0.3435



0.3902, 0.5828, 0.3755

Inverse Universe

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



30.5218, 0.2165, 0.2869



50.7603, 0.2103, 0.2769



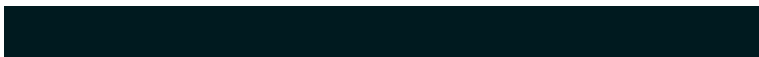
10.6705, 0.1788, 0.1456



10.5455, 0.2985, 0.3253



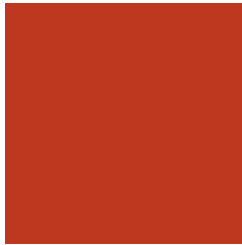
19.2723, 0.2107, 0.2785



0.8250, 0.2144, 0.2918

Previews

White Background



This preview shows how the Yxy color 13.7461, 0.5785, 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 13.7461, 0.5785, 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 13.7461, 0.5785, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 13.7461, 0.5785, 0.3511.



This preview shows how white text looks on a background with the Yxy color 13.7461, 0.5785, 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

13.7461, 0.5785, 0.3511

Protanopia

13.9980, 0.4084, 0.4498

Deuteranopia

13.8609, 0.4644, 0.4579



Tritanopia

13.7692, 0.5521, 0.3277

Trichromacy



Original Color

13.7461, 0.5785, 0.3511

Protanomaly

12.8025, 0.4794, 0.4064

Deuteranomaly

13.0093, 0.5164, 0.4107

Tritanomaly

13.7827, 0.5641, 0.3373

Monochromacy



Original Color

13.7461, 0.5785, 0.3511

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.7687, 0.4175, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7461, 0.5785, 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(189, 56, 31)` looks like.

```
.text, #text, p{  
  color:rgb(189, 56, 31)  
}
```

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(189, 56, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 56, 31) }
```

Border

The CSS property to change the border of an element to Yxy 13.7461, 0.5785, 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(189, 56, 31) }
```

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

```
.border{ border-color:rgb(189, 56, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 56, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 56, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 56, 31);  
box-shadow:4px 4px 4px 4px rgb(189, 56,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7461, 0.5785, 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(189, 56, 31) }
```

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

```
.background{ background-color: rgb(189, 56,  
31) }
```

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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