

Converting Colors

$Y_{xy}(12.7366, 0.5998, 0.3392)$

Have a look what the booklet for
Yxy(12.7366, 0.5998, 0.3392)
contains.

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Color

Yxy(12.6731, 0.5998, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	BF281B
RGB	191, 40, 27
RGB Percent	75%, 16%, 11%
CMY	0.2510, 0.8431, 0.8941
CMYK	0.00, 0.79, 0.86, 0.25
HSL	5°, 75%, 43%
HSV	5°, 86%, 75%
XYZ	22.4426, 12.6731, 2.3011
YIQ	83.6670, 94.1690, 27.9690

Conversions

Conversions Part 2

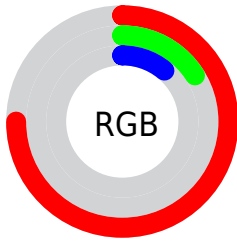
Format	Color
R _{YB}	191, 41, 27
Decimal	12527643
CIE Lab	42.27, 57.89, 45.16
CIE LCh	42, 73.425, 37.959
Yxy	12.6731, 0.5998, 0.3387
Android (android.graphics.Color)	4290717723 (0xFFBF281B)
YUV	83.6670, -27.9368, 94.1310
Hunter-Lab	35.5993, 50.2319, 21.0870

Details

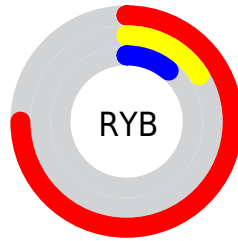
The Yxy color **12.6731, 0.5998, 0.3387** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **35.8371, 0.2213, 0.3077**, and the grayscale version is **8.8392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6781, 0.5362, 0.3504**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.6839, 0.6264, 0.3354**, and if you desaturate by 10%, it is **14.2602, 0.5610, 0.3408**.

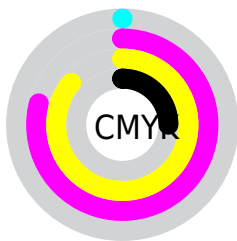
Distribution



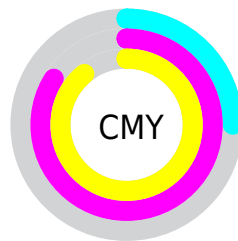
- Red (75%)
- Green (16%)
- Blue (11%)



- Red (75%)
- Yellow (16%)
- Blue (11%)



- Cyan (0%)
- Magenta (79%)
- Yellow (86%)
- Black (25%)





- Cyan (25%)
- Magenta (84%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6731, 0.5998, 0.3387 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 12.6731, 0.5998, 0.3387 by changing the saturation by 10% instead.


 12.6731, 0.5998,
0.3387

 12.6731, 0.5998,
0.3387


208.8119, 0.4340,
0.3520


 7.2038, 0.6431,
0.3240


 30.7152, 0.5365,
0.3510


 3.5899, 0.7009,
0.2991

 44.0569, 0.5132,
0.3531


 1.4469, 0.7531,
0.2469


 60.7915, 0.4940,
0.3539

 0.2509, 0.8854,
0.1146

 81.3033, 0.4780,
0.3541

 0.0000, 1.0000,
0.0000


 105.9769, 0.4644,
0.3538


 0.0000, 0.0000,
0.0000


 135.1966, 0.4528,

0.3533


 169.3468, 0.4428,
0.3527


 12.6731, 0.5998,
0.3387


 12.6731, 0.5998,
0.3387


 11.6839, 0.6264,
0.3354


 14.2602, 0.5610,
0.3408

 11.4218, 0.6343,
0.3345

 16.5177, 0.5160,
0.3413

 19.5098, 0.4711,
0.3405

 23.2930, 0.4302,
0.3388

 27.9178, 0.3949,
0.3368

■ 33.4308, 0.3657,
0.3345

■ 39.8750, 0.3417,
0.3323

■ 47.2908, 0.3223,
0.3302

■ 55.7160, 0.3066,
0.3282

Harmonies

Analogous

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



12.6731, 0.5323, 0.2612



12.6731, 0.5998, 0.3387



12.6731, 0.5586, 0.4300

Triad

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



12.6731, 0.5998, 0.3387



12.6731, 0.2064, 0.5604



12.6731, 0.1400, 0.1307

Complementary

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



12.6731, 0.5998, 0.3387



35.8371, 0.2213, 0.3077

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.



12.6731, 0.0985, 0.1468



12.6731, 0.5998, 0.3387



12.6731, 0.1220, 0.3578

Square

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



12.6731, 0.5998, 0.3387



12.6731, 0.3263, 0.6222



12.6731, 0.0912, 0.2105



12.6731, 0.2287, 0.1465

Rectangle

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



12.6731, 0.5998, 0.3387



12.6731, 0.4951, 0.5049



12.6731, 0.0912, 0.2105



12.6731, 0.1218, 0.1322

Sweetspot

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



12.6739, 0.5998, 0.3387



59.2828, 0.3671, 0.3346



15.1589, 0.3353, 0.1687



12.2239, 0.3769, 0.3354



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.6739, 0.5998, 0.3387



20.3242, 0.6355, 0.3336



24.5740, 0.4959, 0.4292



9.6546, 0.3286, 0.3309



7.5552, 0.6331, 0.3355



0.3378, 0.6087, 0.3549

Inverse Universe

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



35.8371, 0.2213, 0.3077



62.0850, 0.2177, 0.3036



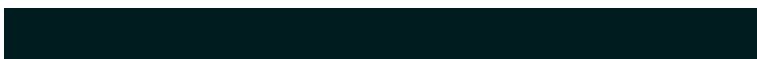
12.7443, 0.1825, 0.1634



10.6766, 0.2985, 0.3271



22.8977, 0.2179, 0.3043



0.9357, 0.2196, 0.3107

Previews

White Background



This preview shows how the Yxy color 12.6731, 0.5998, 0.3387 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 12.6731, 0.5998, 0.3387 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 12.6731, 0.5998, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 12.6731, 0.5998, 0.3387.



This preview shows how white text looks on a background with the Yxy color 12.6731, 0.5998, 0.3387.

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

12.6731, 0.5998, 0.3387

Protanopia

12.9193, 0.4090, 0.4496

Deuteranopia

12.9549, 0.4698, 0.4652



Tritanopia

12.6739, 0.5875, 0.3298

Trichromacy



Original Color

12.6731, 0.5998, 0.3387

Protanomaly

11.3883, 0.4917, 0.3967

Deuteranomaly

11.7701, 0.5326, 0.4070

Tritanomaly

12.6488, 0.5924, 0.3328

Monochromacy



Original Color

12.6731, 0.5998, 0.3387

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

8.7041, 0.4343, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6731, 0.5998, 0.3387 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(191, 40, 27)` looks like.

```
.text, #text, p{  
    color:rgb(191, 40, 27)  
}
```

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(191, 40, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 40, 27) }
```

Border

The CSS property to change the border of an element to Yxy 12.6731, 0.5998, 0.3387 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(191, 40, 27) }
```

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

```
.border{ border-color:rgb(191, 40, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 40, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 40, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 40, 27);  
box-shadow:4px 4px 4px 4px rgb(191, 40,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6731, 0.5998, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 40, 27) }
```

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

```
.background{ background-color: rgb(191, 40,  
27) }
```

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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