

Converting Colors

$Y_{xy}(12.1504, 0.6212, 0.3361)$

Have a look what the booklet for
Yxy(12.1504, 0.6212, 0.3361)
contains.

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Color

Yxy(12.1504, 0.6212, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	C11B0D
RGB	193, 27, 13
RGB Percent	76%, 11%, 5%
CMY	0.2431, 0.8941, 0.9489
CMYK	0.00, 0.86, 0.93, 0.24
HSL	5°, 87%, 40%
HSV	5°, 93%, 76%
XYZ	22.4571, 12.1504, 1.5437
YIQ	75.0380, 103.4300, 30.8380

Conversions

Conversions Part 2

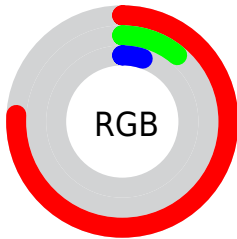
Format	Color
RYB	193, 28, 13
Decimal	12655373
CIELab	41.45, 61.46, 50.65
CIELCh	41, 79.643, 39.495
Yxy	12.1504, 0.6212, 0.3361
Android (android.graphics.Color)	4290845453 (0xFFC11B0D)
YUV	75.0380, -30.5847, 103.4527
Hunter-Lab	34.8574, 53.9991, 21.7746

Details

The Yxy color **12.1504, 0.6212, 0.3361** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **36.1842, 0.2193, 0.3062**, and the grayscale version is **7.0881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2512, 0.5544, 0.3533**, and **4.6671, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.6788, 0.6345, 0.3344**, and if you desaturate by 10%, it is **13.3064, 0.5911, 0.3392**.

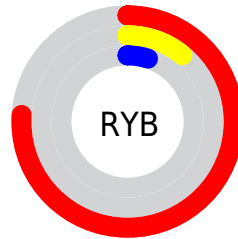
Distribution



Red (76%)

Green (11%)

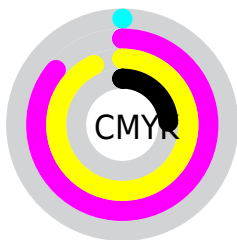
Blue (5%)



Red (76%)

Yellow (11%)

Blue (5%)

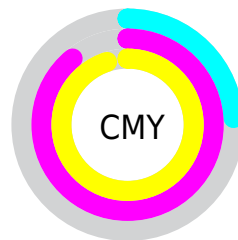


Cyan (0%)

Magenta (86%)

Yellow (93%)

Black (24%)



Cyan (24%)


Magenta (89%)

Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1504, 0.6212, 0.3361 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 12.1504, 0.6212, 0.3361 by changing the saturation by 10% instead.


 12.1504, 0.6212,
0.3361


 12.1504, 0.6212,
0.3361


 205.3984, 0.4457,
0.3555


 6.8462, 0.6685,
0.3198


 29.7687, 0.5559,
0.3523


 3.3661, 0.7144,
0.2856

 42.8516, 0.5313,
0.3553


 1.3257, 0.7692,
0.2308

 59.2963, 0.5108,
0.3568

 0.1610, 0.9235,
0.0765

 79.4869, 0.4935,
0.3573


 0.0000, 1.0000,
0.0000

 103.8081, 0.4788,
0.3572

 0.0000, 0.0000,
0.0000


 132.6442, 0.4662,

0.3568


 166.3795, 0.4552,
0.3562

 12.1504, 0.6212,
0.3361

 12.1504, 0.6212,
0.3361


 11.6788, 0.6345,
0.3344

 13.3064, 0.5911,
0.3392

 15.0949, 0.5500,
0.3408

 17.5904, 0.5045,
0.3410

 20.8562, 0.4602,
0.3399

 24.9486, 0.4206,
0.3382

■ 29.9189, 0.3869,
0.3360

■ 35.8138, 0.3590,
0.3338

■ 42.6771, 0.3363,
0.3317

■ 50.5495, 0.3179,
0.3296

Harmonies

Analogous

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



12.1504, 0.5594, 0.2576



12.1504, 0.6212, 0.3361



12.1504, 0.5670, 0.4330

Triad

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



12.1504, 0.6212, 0.3361



12.1504, 0.1877, 0.5787



12.1504, 0.1324, 0.1192

Complementary

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



12.1504, 0.6212, 0.3361



36.1842, 0.2193, 0.3062

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.



12.1504, 0.0882, 0.1328



12.1504, 0.6212, 0.3361



12.1504, 0.1049, 0.3467

Square

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



12.1504, 0.6212, 0.3361



12.1504, 0.3115, 0.6510



12.1504, 0.0782, 0.1937



12.1504, 0.2277, 0.1371

Rectangle

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



12.1504, 0.6212, 0.3361



12.1504, 0.4894, 0.5106



12.1504, 0.0782, 0.1937



12.1504, 0.1131, 0.1200

Sweetspot

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



12.1512, 0.6212, 0.3361



58.4481, 0.3728, 0.3350



14.9624, 0.3370, 0.1654



11.5910, 0.3855, 0.3359



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.



12.1512, 0.6212, 0.3361



20.7853, 0.6357, 0.3334



23.6316, 0.5100, 0.4274



10.2008, 0.3287, 0.3308



7.8155, 0.6334, 0.3353



0.3817, 0.6108, 0.3533

Inverse Universe

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



36.1842, 0.2193, 0.3062



63.7614, 0.2178, 0.3041



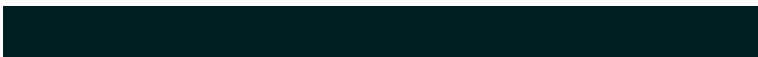
11.4218, 0.1760, 0.1485



11.2902, 0.2984, 0.3271



23.7943, 0.2180, 0.3048



1.0686, 0.2196, 0.3106

Previews

White Background



This preview shows how the Yxy color 12.1504, 0.6212, 0.3361 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 12.1504, 0.6212, 0.3361 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 12.1504, 0.6212, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 12.1504, 0.6212, 0.3361.



This preview shows how white text looks on a background with the Yxy color 12.1504, 0.6212, 0.3361.

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

12.1504, 0.6212, 0.3361

Protanopia

12.3919, 0.4226, 0.4660

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.1381, 0.6148, 0.3315

Trichromacy



Original Color

12.1504, 0.6212, 0.3361

Protanomaly

10.4897, 0.5174, 0.4014

Deuteranomaly

10.8753, 0.5453, 0.4008

Tritanomaly

12.1233, 0.6180, 0.3333

Monochromacy



Original Color

12.1504, 0.6212, 0.3361

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.1256, 0.4607, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1504, 0.6212, 0.3361 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(193, 27, 13)` looks like.

```
.text, #text, p{  
    color:rgb(193, 27, 13)  
}
```

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(193, 27, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 27, 13) }
```

Border

The CSS property to change the border of an element to Yxy 12.1504, 0.6212, 0.3361 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(193, 27, 13) }
```

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

```
.border{ border-color:rgb(193, 27, 13) }
```

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

Here you see how a box with a 4 pixel rgb(193, 27, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 27, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 27, 13);  
box-shadow:4px 4px 4px 4px rgb(193, 27,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1504, 0.6212, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 27, 13) }
```

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

```
.background{ background-color: rgb(193, 27,  
13) }
```

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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