

Converting Colors

$Y_{xy}(12.4191, 0.6148, 0.3344)$

Have a look what the booklet for
Yxy(12.4191, 0.6148, 0.3344)
contains.

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Color

Yxy(12.4022, 0.6147, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	C21D15
RGB	194, 29, 21
RGB Percent	76%, 11%, 8%
CMY	0.2393, 0.8860, 0.9176
CMYK	0.00, 0.85, 0.89, 0.24
HSL	3°, 80%, 42%
HSV	3°, 89%, 76%
XYZ	22.8184, 12.4022, 1.9006
YIQ	77.4230, 100.9080, 32.4920

Conversions

Conversions Part 2

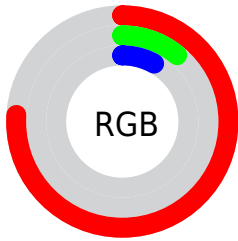
Format	Color
RYB	194, 29, 21
Decimal	12721429
CIELab	41.85, 61.41, 47.86
CIElCh	42, 77.855, 37.930
Yxy	12.4022, 0.6147, 0.3341
Android (android.graphics.Color)	4290911509 (0xFFC21D15)
YUV	77.4230, -27.8165, 102.2380
Hunter-Lab	35.2168, 54.0283, 21.4519

Details

The Yxy color **12.4022, 0.6147, 0.3341** 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 **39.1271, 0.2227, 0.3160**, and the grayscale version is **7.5512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5061, 0.5472, 0.3495**, and **4.8253, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.6997, 0.6356, 0.3325**, and if you desaturate by 10%, it is **13.7011, 0.5800, 0.3357**.

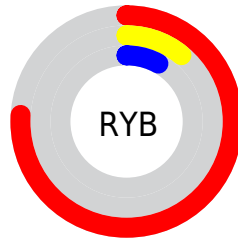
Distribution



Red (76%)

Green (11%)

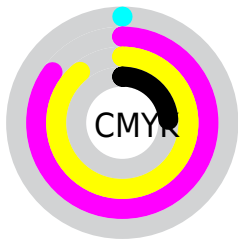
Blue (8%)



Red (76%)

Yellow (11%)

Blue (8%)

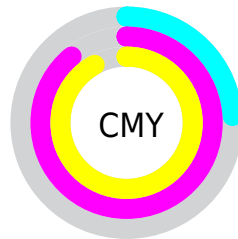


Cyan (0%)

Magenta (85%)

Yellow (89%)

Black (24%)



Cyan (24%)


Magenta (89%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4022, 0.6147, 0.3341 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 12.4022, 0.6147, 0.3341 by changing the saturation by 10% instead.


 12.4022, 0.6147,
0.3341

 12.4022, 0.6147,
0.3341


207.0501, 0.4417,
0.3526


 7.0182, 0.6600,
0.3177


 30.2255, 0.5495,
0.3492


 3.4735, 0.7125,
0.2875

 43.4337, 0.5253,
0.3521


 1.3836, 0.7665,
0.2335

 60.0187, 0.5051,
0.3535

 0.2046, 0.9077,
0.0923

 80.3649, 0.4882,
0.3540


 0.0000, 1.0000,
0.0000


 104.8568, 0.4738,
0.3540

 0.0000, 0.0000,
0.0000


 133.8786, 0.4615,


0.3537


 167.8150, 0.4509,
0.3532


 12.4022, 0.6147,
0.3341


 12.4022, 0.6147,
0.3341


 11.6997, 0.6356,
0.3325

 13.7011, 0.5800,
0.3357

 11.6629, 0.6369,
0.3325

 15.6941, 0.5359,
0.3364

 18.4606, 0.4894,
0.3362

 22.0688, 0.4456,
0.3353

 26.5796, 0.4075,
0.3341

■ 32.0480, 0.3755,
0.3328

■ 38.5247, 0.3495,
0.3314

■ 46.0568, 0.3284,
0.3301

■ 54.6886, 0.3114,
0.3289

Harmonies

Analogous

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



12.4022, 0.5460, 0.2560



12.4022, 0.6147, 0.3341



12.4022, 0.5700, 0.4300

Triad

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



12.4022, 0.6147, 0.3341



12.4022, 0.1977, 0.5796



12.4022, 0.1324, 0.1227

Complementary

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



12.4022, 0.6147, 0.3341



39.1271, 0.2227, 0.3160

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.



12.4022, 0.0904, 0.1384



12.4022, 0.6147, 0.3341



12.4022, 0.1122, 0.3580

Square

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



12.4022, 0.6147, 0.3341



12.4022, 0.3211, 0.6402



12.4022, 0.0825, 0.2026



12.4022, 0.2235, 0.1389

Rectangle

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



12.4022, 0.6147, 0.3341



12.4022, 0.4957, 0.5043



12.4022, 0.0825, 0.2026



12.4022, 0.1140, 0.1241

Sweetspot

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



12.4030, 0.6147, 0.3341



59.9939, 0.3706, 0.3325



15.6424, 0.3282, 0.1624



12.3131, 0.3807, 0.3330



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.4030, 0.6147, 0.3341



21.0375, 0.6378, 0.3318



23.3872, 0.5108, 0.4219



10.1516, 0.3288, 0.3301



7.7037, 0.6361, 0.3331



0.3594, 0.6218, 0.3445

Inverse Universe

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



39.1271, 0.2227, 0.3160



69.7643, 0.2206, 0.3141



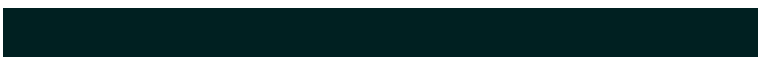
13.5016, 0.1820, 0.1664



11.3452, 0.2984, 0.3279



25.3909, 0.2207, 0.3145



1.1223, 0.2217, 0.3179

Previews

White Background



This preview shows how the Yxy color 12.4022, 0.6147, 0.3341 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



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 12.4022, 0.6147, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 12.4022, 0.6147, 0.3341.



This preview shows how white text looks on a background with the Yxy color 12.4022, 0.6147, 0.3341.

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

12.4022, 0.6147, 0.3341

Protanopia

12.6927, 0.4155, 0.4557

Deuteranopia

12.6200, 0.4688, 0.4660



Tritanopia

12.4226, 0.6105, 0.3316

Trichromacy



Original Color

12.4022, 0.6147, 0.3341

Protanomaly

10.7473, 0.5085, 0.3945

Deuteranomaly

11.1033, 0.5428, 0.4002

Tritanomaly

12.4140, 0.6123, 0.3326

Monochromacy



Original Color

12.4022, 0.6147, 0.3341

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.5202, 0.4507, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4022, 0.6147, 0.3341 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(194, 29, 21)` looks like.

```
.text, #text, p{  
  color:rgb(194, 29, 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(194, 29, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 29, 21) }
```

Border

The CSS property to change the border of an element to Yxy 12.4022, 0.6147, 0.3341 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(194, 29, 21) }
```

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

```
.border{ border-color:rgb(194, 29, 21) }
```

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

Here you see how a box with a 4 pixel rgb(194, 29, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 29, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 29, 21);  
box-shadow:4px 4px 4px 4px rgb(194, 29,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4022, 0.6147, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 29, 21) }
```

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

```
.background{ background-color: rgb(194, 29,  
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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