

Converting Colors

$Y_{xy}(12.9453, 0.5069, 0.3306)$

Have a look what the booklet for
Yxy(12.9453, 0.5069, 0.3306)
contains.

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Color

Yxy(12.9214, 0.5078, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	AC4140
RGB	172, 65, 64
RGB Percent	67%, 25%, 25%
CMY	0.3255, 0.7451, 0.7490
CMYK	0.00, 0.62, 0.63, 0.33
HSL	1°, 46%, 46%
HSV	1°, 63%, 67%
XYZ	19.8292, 12.9214, 6.2986
YIQ	96.8790, 64.0930, 22.3730

Conversions

Conversions Part 2

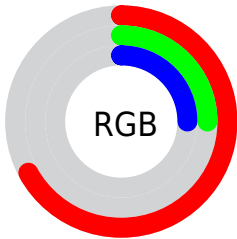
Format	Color
RYB	172, 65, 64
Decimal	11288896
CIELab	42.64, 43.77, 23.76
CIELCh	43, 49.802, 28.498
Yxy	12.9214, 0.5078, 0.3309
Android (android.graphics.Color)	4289478976 (0xFFAC4140)
YUV	96.8790, -16.2093, 65.8811
Hunter-Lab	35.9463, 35.5605, 14.7734

Details

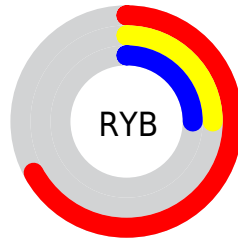
The Yxy color **12.9214, 0.5078, 0.3309** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **33.1914, 0.2377, 0.3271**, and the grayscale version is **11.9520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0482, 0.4592, 0.3350**, and **3.7184, 0.5987, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **11.0855, 0.5547, 0.3310**, and if you desaturate by 10%, it is **15.4091, 0.4620, 0.3307**.

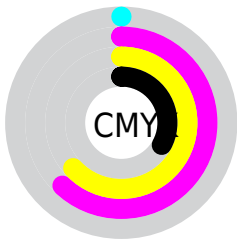
Distribution



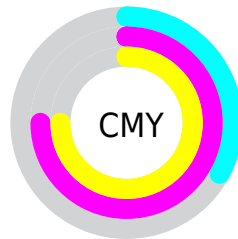
- Red (67%)
- Green (25%)
- Blue (25%)



- Red (67%)
- Yellow (25%)
- Blue (25%)



- Cyan (0%)
- Magenta (62%)
- Yellow (63%)
- Black (33%)





- Cyan (33%)
- Magenta (75%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9214, 0.5078, 0.3309 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 12.9214, 0.5078, 0.3309 by changing the saturation by 10% instead.


 12.9214, 0.5078,
0.3309


 12.9214, 0.5078,
0.3309


 210.4133, 0.3899,
0.3365


 7.3744, 0.5451,
0.3247


 31.1625, 0.4593,
0.3357


 3.6974, 0.5974,
0.3121

 44.6254, 0.4428,
0.3365


 1.5058, 0.7026,
0.2974

 61.4958, 0.4296,
0.3369

 0.2928, 0.8324,
0.1676

 82.1581, 0.4188,
0.3370

 0.0000, 1.0000,
0.0000

 106.9965, 0.4097,
0.3370

 0.0000, 0.0000,
0.0000

 136.3956, 0.4021,

0.3368

170.7398, 0.3956,
0.3367

■ 12.9214, 0.5078,
0.3309

■ 12.9214, 0.5078,
0.3309

■ 11.0855, 0.5547,
0.3310

■ 15.4091, 0.4620,
0.3307

■ 9.8387, 0.5963,
0.3309

■ 18.5997, 0.4211,
0.3304

■ 9.1094, 0.6255,
0.3306

■ 22.5416, 0.3865,
0.3300

■ 8.8058, 0.6393,
0.3306

■ 27.2783, 0.3583,
0.3297

■ 32.8499, 0.3355,
0.3294

■ 39.2941, 0.3171,
0.3291

■ 46.6459, 0.3025,
0.3288

■ 54.9387, 0.2906,
0.3286

■ 64.2041, 0.2810,
0.3284

Harmonies

Analogous

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



12.9214, 0.4333, 0.2659



12.9214, 0.5078, 0.3309



12.9214, 0.5126, 0.4020

Triad

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



12.9214, 0.5078, 0.3309



12.9214, 0.2746, 0.5017



12.9214, 0.1685, 0.1800

Complementary

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



12.9214, 0.5078, 0.3309



33.1914, 0.2377, 0.3271

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.



12.9214, 0.1428, 0.2082



12.9214, 0.5078, 0.3309



12.9214, 0.1938, 0.3938

Square

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



12.9214, 0.5078, 0.3309



12.9214, 0.3710, 0.5248



12.9214, 0.1497, 0.2787



12.9214, 0.2284, 0.1836

Rectangle

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



12.9214, 0.5078, 0.3309



12.9214, 0.4811, 0.4509



12.9214, 0.1497, 0.2787



12.9214, 0.1563, 0.1855

Sweetspot

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



12.9221, 0.5078, 0.3309



52.8014, 0.3498, 0.3296



15.4158, 0.3194, 0.1872



10.8936, 0.3565, 0.3297



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.9221, 0.5078, 0.3309



19.1910, 0.5705, 0.3310



22.0975, 0.4493, 0.4066



8.0269, 0.3286, 0.3293



6.5573, 0.6392, 0.3307



0.1862, 0.6353, 0.3337

Inverse Universe

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



33.1914, 0.2377, 0.3271



58.9301, 0.2300, 0.3266



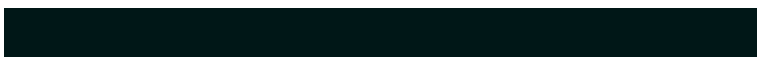
17.0250, 0.2152, 0.2284



9.0590, 0.2987, 0.3287



23.7253, 0.2239, 0.3260



0.6640, 0.2241, 0.3269

Previews

White Background



This preview shows how the Yxy color 12.9214, 0.5078, 0.3309 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 12.9214, 0.5078, 0.3309 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 12.9214, 0.5078, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 12.9214, 0.5078, 0.3309.



This preview shows how white text looks on a background with the Yxy color 12.9214, 0.5078, 0.3309.

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

12.9214, 0.5078, 0.3309

Protanopia

13.0600, 0.3542, 0.3777

Deuteranopia

13.0761, 0.4100, 0.4052



Tritanopia

12.8548, 0.5017, 0.3242

Trichromacy



Original Color

12.9214, 0.5078, 0.3309

Protanomaly

12.2992, 0.4083, 0.3565

Deuteranomaly

12.4966, 0.4486, 0.3719

Tritanomaly

12.8427, 0.5035, 0.3256

Monochromacy



Original Color

12.9214, 0.5078, 0.3309

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.4380, 0.3799, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9214, 0.5078, 0.3309 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(172, 65, 64)` looks like.

```
.text, #text, p{  
    color:rgb(172, 65, 64)  
}
```

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(172, 65, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 65, 64) }
```

Border

The CSS property to change the border of an element to Yxy 12.9214, 0.5078, 0.3309 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(172, 65, 64) }
```

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

```
.border{ border-color:rgb(172, 65, 64) }
```

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

Here you see how a box with a 4 pixel rgb(172, 65, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 65, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 65, 64);  
box-shadow:4px 4px 4px 4px rgb(172, 65,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9214, 0.5078, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 65, 64) }
```

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

```
.background{ background-color: rgb(172, 65,  
64) }
```

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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