

Converting Colors

$Y_{xy}(12.2153, 0.4941, 0.3141)$

Have a look what the booklet for
Yxy(12.2153, 0.4941, 0.3141)
contains.

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Color

Yxy(12.2404, 0.4933, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	A93D48
RGB	169, 61, 72
RGB Percent	66%, 24%, 28%
CMY	0.3373, 0.7607, 0.7177
CMYK	0.00, 0.64, 0.57, 0.34
HSL	354°, 47%, 45%
HSV	354°, 64%, 66%
XYZ	19.1993, 12.2404, 7.4805
YIQ	94.5460, 60.8370, 26.3170

Conversions

Conversions Part 2

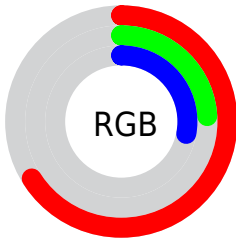
Format	Color
RYB	169, 61, 72
Decimal	11091272
CIELab	41.60, 45.12, 17.39
CIELCh	42, 48.351, 21.079
Yxy	12.2404, 0.4933, 0.3145
Android (android.graphics.Color)	4289281352 (0xFFA93D48)
YUV	94.5460, -11.1152, 65.2962
Hunter-Lab	34.9863, 36.7290, 11.8135

Details

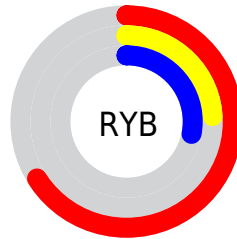
The Yxy color **12.2404, 0.4933, 0.3145** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **31.8348, 0.2437, 0.3481**, and the grayscale version is **11.3470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0487, 0.4479, 0.3226**, and **3.4682, 0.5783, 0.2959** is the 20% darker color. If you saturate the color by 10%, you get **10.5377, 0.5378, 0.3149**, and if you desaturate by 10%, it is **14.5618, 0.4510, 0.3156**.

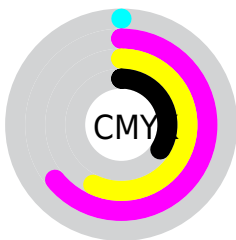
Distribution



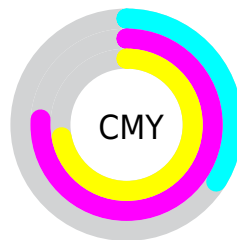
- Red (66%)
- Green (24%)
- Blue (28%)



- Red (66%)
- Yellow (24%)
- Blue (28%)



- Cyan (0%)
- Magenta (64%)
- Yellow (57%)
- Black (34%)





- Cyan (34%)
- Magenta (76%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2404, 0.4933, 0.3145 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 12.2404, 0.4933, 0.3145 by changing the saturation by 10% instead.


 12.2404, 0.4933,
0.3145


 12.2404, 0.4933,
0.3145


205.9904, 0.3830,
0.3281


 6.9076, 0.5296,
0.3069


 29.9322, 0.4472,
0.3219


 3.4044, 0.5819,
0.2930

 43.0600, 0.4319,
0.3238


 1.3463, 0.6872,
0.2755

 59.5549, 0.4196,
0.3252

 0.1767, 0.8840,
0.1160

 79.8014, 0.4095,
0.3261

 0.0000, 1.0000,
0.0000

 104.1838, 0.4012,
0.3268

 0.0000, 0.0000,
0.0000

133.0865, 0.3942,

0.3274

166.8939, 0.3882,
0.3278

■ 12.2404, 0.4933,
0.3145

■ 12.2404, 0.4933,
0.3145

■ 10.5377, 0.5378,
0.3149

■ 14.5618, 0.4510,
0.3156

■ 9.3926, 0.5795,
0.3170

■ 17.5514, 0.4136,
0.3177

■ 8.7348, 0.6124,
0.3210

■ 21.2563, 0.3821,
0.3202

■ 8.4752, 0.6273,
0.3229

■ 25.7184, 0.3562,
0.3229

■ 30.9765, 0.3353,
0.3256

■ 37.0669, 0.3184,
0.3281

■ 44.0236, 0.3047,
0.3304

■ 51.8784, 0.2937,
0.3325

■ 60.6620, 0.2847,
0.3345

Harmonies

Analogous

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



12.2404, 0.4063, 0.2521



12.2404, 0.4933, 0.3145



12.2404, 0.5159, 0.3839

Triad

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



12.2404, 0.4933, 0.3145



12.2404, 0.2985, 0.5142



12.2404, 0.1604, 0.1851

Complementary

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



12.2404, 0.4933, 0.3145



31.8348, 0.2437, 0.3481

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.



12.2404, 0.1429, 0.2224



12.2404, 0.4933, 0.3145



12.2404, 0.2120, 0.4236

Square

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



12.2404, 0.4933, 0.3145



12.2404, 0.3938, 0.5151



12.2404, 0.1584, 0.3042



12.2404, 0.2112, 0.1814

Rectangle

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



12.2404, 0.4933, 0.3145



12.2404, 0.4938, 0.4323



12.2404, 0.1584, 0.3042



12.2404, 0.1510, 0.1933

Sweetspot

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



12.2411, 0.4933, 0.3145



50.1736, 0.3461, 0.3241



13.3108, 0.3022, 0.1779



10.3883, 0.3521, 0.3234



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.2411, 0.4933, 0.3145



17.8382, 0.5572, 0.3156



18.3541, 0.4665, 0.3893



7.5542, 0.3270, 0.3267



6.3212, 0.6257, 0.3220



0.1575, 0.5712, 0.2921

Inverse Universe

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



12.2411, 0.4933, 0.3145



17.8382, 0.5572, 0.3156



19.1914, 0.2196, 0.2515



7.5542, 0.3270, 0.3267



6.3212, 0.6257, 0.3220



0.1575, 0.5712, 0.2921

Previews

White Background



This preview shows how the Yxy color 12.2404, 0.4933, 0.3145 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 12.2404, 0.4933, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

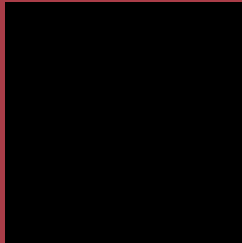
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2404, 0.4933, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 12.2404, 0.4933, 0.3145.

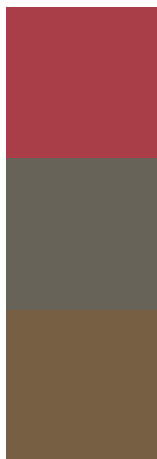


This preview shows how white text looks on a background with the Yxy color 12.2404, 0.4933, 0.3145.

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

12.2404, 0.4933, 0.3145

Protanopia

12.5285, 0.3328, 0.3516

Deuteranopia

12.4412, 0.3922, 0.3880



Tritanopia

12.2736, 0.5036, 0.3242

Trichromacy



Original Color

12.2404, 0.4933, 0.3145

Protanomaly

11.6336, 0.3885, 0.3332

Deuteranomaly

11.9345, 0.4312, 0.3553

Tritanomaly

12.2976, 0.5000, 0.3214

Monochromacy



Original Color

12.2404, 0.4933, 0.3145

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.0122, 0.3741, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2404, 0.4933, 0.3145 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(169, 61, 72)` looks like.

```
.text, #text, p{  
    color:rgb(169, 61, 72)  
}
```

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(169, 61, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 61, 72) }
```

Border

The CSS property to change the border of an element to Yxy 12.2404, 0.4933, 0.3145 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(169, 61, 72) }
```

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

```
.border{ border-color:rgb(169, 61, 72) }
```

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

Here you see how a box with a 4 pixel rgb(169, 61, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 61, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 61, 72);  
box-shadow:4px 4px 4px 4px rgb(169, 61,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2404, 0.4933, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 61, 72) }
```

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

```
.background{ background-color: rgb(169, 61,  
72) }
```

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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