

Converting Colors

$Y_{xy}(12.0781, 0.4975, 0.3213)$

Have a look what the booklet for
Yxy(12.0781, 0.4975, 0.3213)
contains.

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Color

Yxy(12.0781, 0.4975, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	A73E44
RGB	167, 62, 68
RGB Percent	65%, 24%, 27%
CMY	0.3451, 0.7568, 0.7334
CMYK	0.00, 0.63, 0.59, 0.35
HSL	357°, 46%, 45%
HSV	357°, 63%, 65%
XYZ	18.7017, 12.0781, 6.8116
YIQ	94.0790, 60.6540, 24.1260

Conversions

Conversions Part 2

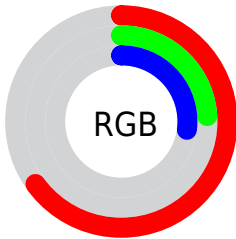
Format	Color
RYB	167, 62, 68
Decimal	10960452
CIELab	41.34, 43.66, 19.47
CIElCh	41, 47.804, 24.031
Yxy	12.0781, 0.4975, 0.3213
Android (android.graphics.Color)	4289150532 (0xFFA73E44)
YUV	94.0790, -12.8569, 63.9517
Hunter-Lab	34.7536, 35.2362, 12.7069

Details

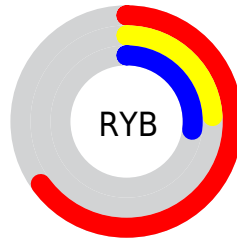
The Yxy color **12.0781, 0.4975, 0.3213** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **31.2354, 0.2416, 0.3393**, and the grayscale version is **11.2339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6265, 0.4510, 0.3271**, and **3.3214, 0.5881, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **10.3659, 0.5433, 0.3216**, and if you desaturate by 10%, it is **14.4014, 0.4537, 0.3219**.

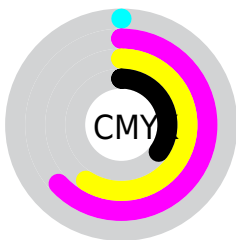
Distribution



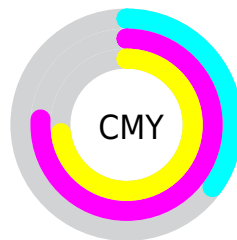
- Red (65%)
- Green (24%)
- Blue (27%)



- Red (65%)
- Yellow (24%)
- Blue (27%)



- Cyan (0%)
- Magenta (63%)
- Yellow (59%)
- Black (35%)





- Cyan (35%)
- Magenta (76%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0781, 0.4975, 0.3213 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 12.0781, 0.4975, 0.3213 by changing the saturation by 10% instead.


 12.0781, 0.4975,
0.3213

 12.0781, 0.4975,
0.3213


204.9216, 0.3845,
0.3314


 6.7969, 0.5345,
0.3143


 29.6373, 0.4503,
0.3275


 3.3354, 0.5878,
0.3010

 42.6840, 0.4346,
0.3290

 1.3092, 0.7089,
0.2898

 59.0881, 0.4220,
0.3299

 0.1483, 0.8948,
0.1052

 79.2338, 0.4117,
0.3305

 0.0000, 1.0000,
0.0000

 103.5056, 0.4032,
0.3309

 0.0000, 0.0000,
0.0000

132.2880, 0.3960,

0.3311

165.9652, 0.3898,
0.3313

■ 12.0781, 0.4975,
0.3213

■ 12.0781, 0.4975,
0.3213

■ 10.3659, 0.5433,
0.3216

■ 14.4014, 0.4537,
0.3219

■ 9.2054, 0.5856,
0.3230

■ 17.3838, 0.4150,
0.3230

■ 8.5292, 0.6179,
0.3253

■ 21.0710, 0.3825,
0.3243

■ 8.2361, 0.6333,
0.3263

■ 25.5038, 0.3559,
0.3258

■ 30.7202, 0.3343,
0.3272

■ 36.7554, 0.3170,
0.3286

■ 43.6426, 0.3031,
0.3299

■ 51.4130, 0.2918,
0.3311

■ 60.0963, 0.2827,
0.3321

Harmonies

Analogous

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



12.0781, 0.4161, 0.2582



12.0781, 0.4975, 0.3213



12.0781, 0.5131, 0.3909

Triad

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



12.0781, 0.4975, 0.3213



12.0781, 0.2895, 0.5076



12.0781, 0.1647, 0.1841

Complementary

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



12.0781, 0.4975, 0.3213



31.2354, 0.2416, 0.3393

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.



12.0781, 0.1441, 0.2176



12.0781, 0.4975, 0.3213



12.0781, 0.2058, 0.4109

Square

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



12.0781, 0.4975, 0.3213



12.0781, 0.3845, 0.5174



12.0781, 0.1561, 0.2943



12.0781, 0.2187, 0.1833

Rectangle

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



12.0781, 0.4975, 0.3213



12.0781, 0.4876, 0.4391



12.0781, 0.1561, 0.2943



12.0781, 0.1543, 0.1912

Sweetspot

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



12.0788, 0.4975, 0.3213



48.8055, 0.3477, 0.3263



13.7098, 0.3097, 0.1831



10.3700, 0.3540, 0.3259



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.



12.0788, 0.4975, 0.3213



17.7330, 0.5588, 0.3220



19.1842, 0.4570, 0.3964



7.5490, 0.3277, 0.3278



6.3050, 0.6323, 0.3257



0.1555, 0.5990, 0.3074

Inverse Universe

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



12.0788, 0.4975, 0.3213



17.7330, 0.5588, 0.3220



17.6118, 0.2185, 0.2426



7.5490, 0.3277, 0.3278



6.3050, 0.6323, 0.3257



0.1555, 0.5990, 0.3074

Previews

White Background



This preview shows how the Yxy color 12.0781, 0.4975, 0.3213 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

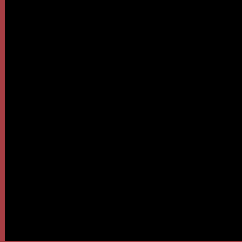
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0781, 0.4975, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 12.0781, 0.4975, 0.3213.



This preview shows how white text looks on a background with the Yxy color 12.0781, 0.4975, 0.3213.

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

12.0781, 0.4975, 0.3213

Protanopia

12.2590, 0.3404, 0.3609

Deuteranopia

12.2158, 0.3991, 0.3941



Tritanopia

12.0541, 0.5012, 0.3241

Trichromacy



Original Color

12.0781, 0.4975, 0.3213

Protanomaly

11.4827, 0.3956, 0.3434

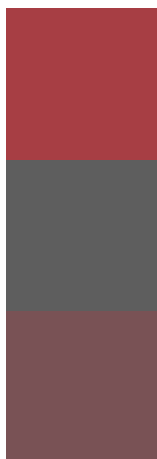
Deuteranomaly

11.6505, 0.4376, 0.3609

Tritanomaly

12.0660, 0.4993, 0.3227

Monochromacy



Original Color

12.0781, 0.4975, 0.3213

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.7554, 0.3766, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0781, 0.4975, 0.3213 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(167, 62, 68)` looks like.

```
.text, #text, p{  
    color:rgb(167, 62, 68)  
}
```

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(167, 62, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 62, 68) }
```

Border

The CSS property to change the border of an element to Yxy 12.0781, 0.4975, 0.3213 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(167, 62, 68) }
```

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

```
.border{ border-color:rgb(167, 62, 68) }
```

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

Here you see how a box with a 4 pixel rgb(167, 62, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 62, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 62, 68);  
box-shadow:4px 4px 4px 4px rgb(167, 62,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0781, 0.4975, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 62, 68) }
```

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

```
.background{ background-color: rgb(167, 62,  
68) }
```

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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