

Converting Colors

$Y_{xy}(13.0328, 0.4756, 0.3044)$

Have a look what the booklet for
Yxy(13.0328, 0.4756, 0.3044)
contains.

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Color

Yxy(13.0466, 0.4754, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	AC4052
RGB	172, 64, 82
RGB Percent	67%, 25%, 32%
CMY	0.3255, 0.7490, 0.6784
CMYK	0.00, 0.63, 0.52, 0.33
HSL	350°, 46%, 46%
HSV	350°, 63%, 67%
XYZ	20.3690, 13.0466, 9.4304
YIQ	98.3440, 58.5900, 28.4940

Conversions

Conversions Part 2

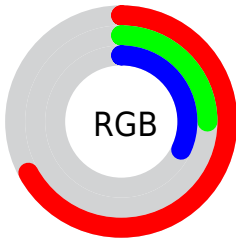
Format	Color
R_{YB}	172, 64, 82
Decimal	11288658
CIE _{Lab}	42.83, 45.62, 12.95
CIE _{LCh}	43, 47.423, 15.845
Yxy	13.0466, 0.4754, 0.3045
Android (android.graphics.Color)	4289478738 (0xFFAC4052)
YUV	98.3440, -8.0576, 64.5963
Hunter-Lab	36.1201, 37.4503, 9.8043

Details

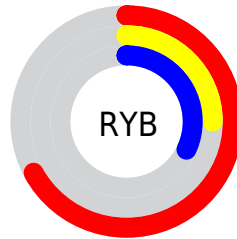
The Yxy color **13.0466, 0.4754, 0.3045** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **32.9254, 0.2485, 0.3604**, and the grayscale version is **12.3151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3502, 0.4341, 0.3135**, and **3.7173, 0.5533, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **11.2014, 0.5173, 0.3041**, and if you desaturate by 10%, it is **15.5369, 0.4365, 0.3069**.

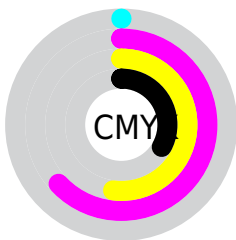
Distribution



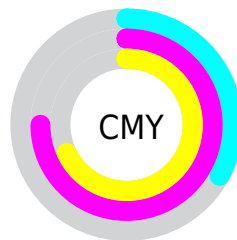
- Red (67%)
- Green (25%)
- Blue (32%)



- Red (67%)
- Yellow (25%)
- Blue (32%)



- Cyan (0%)
- Magenta (63%)
- Yellow (52%)
- Black (33%)





- Cyan (33%)
- Magenta (75%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0466, 0.4754, 0.3045 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 13.0466, 0.4754, 0.3045 by changing the saturation by 10% instead.


 13.0466, 0.4754,
0.3045


 13.0466, 0.4754,
0.3045


211.2161, 0.3768,
0.3226


 7.4606, 0.5078,
0.2966


 31.3875, 0.4343,
0.3132


 3.7518, 0.5549,
0.2833

 44.9112, 0.4206,
0.3157

 1.5357, 0.6314,
0.2600

 61.8496, 0.4096,
0.3176

 0.3137, 0.8317,
0.1683

 82.5871, 0.4006,
0.3191

 0.0000, 1.0000,
0.0000

 107.5081, 0.3931,
0.3202

 0.0000, 0.0000,
0.0000

136.9970, 0.3868,

0.3212

171.4382, 0.3814,
0.3219

■ 13.0466, 0.4754,
0.3045

■ 13.0466, 0.4754,
0.3045

■ 11.2014, 0.5173,
0.3041

■ 15.5369, 0.4365,
0.3069

■ 9.9392, 0.5586,
0.3065

■ 18.7227, 0.4027,
0.3106

■ 9.1895, 0.5942,
0.3118

■ 22.6516, 0.3742,
0.3149

■ 8.8570, 0.6147,
0.3160

■ 27.3665, 0.3508,
0.3194

■ 32.9071, 0.3318,
0.3238

■ 39.3104, 0.3164,
0.3279

■ 46.6111, 0.3040,
0.3317

■ 54.8419, 0.2939,
0.3352

■ 64.0341, 0.2856,
0.3384

Harmonies

Analogous

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



13.0466, 0.3847, 0.2455



13.0466, 0.4754, 0.3045



13.0466, 0.5098, 0.3715

Triad

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



13.0466, 0.4754, 0.3045



13.0466, 0.3162, 0.5126



13.0466, 0.1598, 0.1935

Complementary

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



13.0466, 0.4754, 0.3045



32.9254, 0.2485, 0.3604

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.



13.0466, 0.1482, 0.2371



13.0466, 0.4754, 0.3045



13.0466, 0.2289, 0.4390

Square

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



13.0466, 0.4754, 0.3045



13.0466, 0.4074, 0.5016



13.0466, 0.1699, 0.3241



13.0466, 0.2036, 0.1845

Rectangle

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



13.0466, 0.4754, 0.3045



13.0466, 0.4959, 0.4182



13.0466, 0.1699, 0.3241



13.0466, 0.1525, 0.2037

Sweetspot

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



13.0473, 0.4754, 0.3045



52.9392, 0.3438, 0.3209



13.3407, 0.2928, 0.1755



10.9267, 0.3494, 0.3197



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.



13.0473, 0.4754, 0.3045



19.3920, 0.5324, 0.3046



17.9140, 0.4713, 0.3782



8.0363, 0.3261, 0.3252



6.5974, 0.6126, 0.3148



0.1900, 0.5408, 0.2753

Inverse Universe

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



13.0473, 0.4754, 0.3045



19.3920, 0.5324, 0.3046



22.1879, 0.2240, 0.2669



8.0363, 0.3261, 0.3252



6.5974, 0.6126, 0.3148



0.1900, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 13.0466, 0.4754, 0.3045 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 13.0466, 0.4754, 0.3045 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 13.0466, 0.4754, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 13.0466, 0.4754, 0.3045.



This preview shows how white text looks on a background with the Yxy color 13.0466, 0.4754, 0.3045.

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

13.0466, 0.4754, 0.3045

Protanopia

13.1900, 0.3171, 0.3290

Deuteranopia

13.2643, 0.3780, 0.3727



Tritanopia

12.9966, 0.4949, 0.3241

Trichromacy



Original Color

13.0466, 0.4754, 0.3045

Protanomaly

12.4547, 0.3711, 0.3174

Deuteranomaly

12.7091, 0.4143, 0.3422

Tritanomaly

12.9329, 0.4885, 0.3171

Monochromacy



Original Color

13.0466, 0.4754, 0.3045

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.7883, 0.3689, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0466, 0.4754, 0.3045 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, 64, 82)` looks like.

```
.text, #text, p{  
  color:rgb(172, 64, 82)  
}
```

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, 64, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 64, 82) }
```

Border

The CSS property to change the border of an element to Yxy 13.0466, 0.4754, 0.3045 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, 64, 82) }
```

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

```
.border{ border-color:rgb(172, 64, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 64, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 64, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 64, 82);  
box-shadow:4px 4px 4px 4px rgb(172, 64,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0466, 0.4754, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 64, 82) }
```

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

```
.background{ background-color: rgb(172, 64,  
82) }
```

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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