

Converting Colors

$Y_{xy}(13.5023, 0.5031, 0.2929)$

Have a look what the booklet for
Yxy(13.5023, 0.5031, 0.2929)
contains.

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Color

Yxy(13.4552, 0.5037, 0.2927)

Conversions

Conversions Part 1

Format	Color
Hex	BB3252
RGB	187, 50, 82
RGB Percent	73%, 20%, 32%
CMY	0.2667, 0.8038, 0.6784
CMYK	0.00, 0.73, 0.56, 0.27
HSL	346°, 58%, 46%
HSV	346°, 73%, 73%
XYZ	23.1547, 13.4552, 9.3593
YIQ	94.6110, 71.3800, 38.9960

Conversions

Conversions Part 2

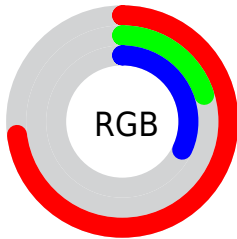
Format	Color
R_{YB}	187, 50, 82
Decimal	12268114
CIE Lab	43.44, 56.06, 14.22
CIE LCh	43, 57.838, 14.232
Yxy	13.4552, 0.5037, 0.2927
Android (android.graphics.Color)	4290458194 (0xFFBB3252)
YUV	94.6110, -6.2172, 81.0252
Hunter-Lab	36.6813, 48.4840, 10.5489

Details

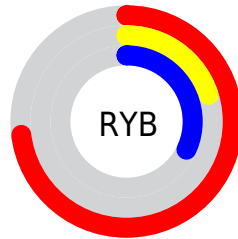
The Yxy color **13.4552, 0.5037, 0.2927** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **38.5808, 0.2482, 0.3830**, and the grayscale version is **11.3513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1105, 0.4564, 0.3049**, and **4.6520, 0.5687, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **11.9737, 0.5429, 0.2952**, and if you desaturate by 10%, it is **15.6366, 0.4646, 0.2938**.

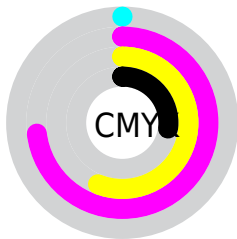
Distribution



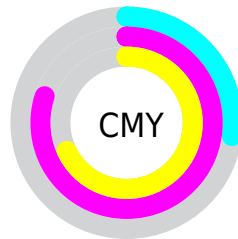
- Red (73%)
- Green (20%)
- Blue (32%)



- Red (73%)
- Yellow (20%)
- Blue (32%)



- Cyan (0%)
- Magenta (73%)
- Yellow (56%)
- Black (27%)




- Cyan (27%)
- Magenta (80%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4552, 0.5037, 0.2927 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 13.4552, 0.5037, 0.2927 by changing the saturation by 10% instead.


 13.4552, 0.5037,
0.2927


 13.4552, 0.5037,
0.2927


213.8147, 0.3889,
0.3186


 7.7427, 0.5403,
0.2821


 32.1192, 0.4565,
0.3047


 3.9308, 0.5923,
0.2650

 45.8395, 0.4405,
0.3084


 1.6349, 0.6732,
0.2363

 62.9979, 0.4276,
0.3111

 0.3810, 0.8452,
0.1548

 83.9787, 0.4171,
0.3133

 0.0000, 1.0000,
0.0000

 109.1665, 0.4083,
0.3150

 0.0000, 0.0000,
0.0000

 138.9454, 0.4008,

0.3164

173.7001, 0.3944,
0.3176

■ 13.4552, 0.5037,
0.2927

■ 13.4552, 0.5037,
0.2927

■ 11.9737, 0.5429,
0.2952

■ 15.6366, 0.4646,
0.2938

■ 11.1017, 0.5781,
0.3016

■ 18.5891, 0.4286,
0.2975

■ 10.7423, 0.5983,
0.3069

■ 22.3776, 0.3972,
0.3028

■ 27.0596, 0.3708,
0.3089

■ 32.6872, 0.3490,
0.3152

■ 39.3089, 0.3312,
0.3213

■ 46.9694, 0.3168,
0.3272

■ 55.7111, 0.3051,
0.3326

■ 65.5737, 0.2955,
0.3376

Harmonies

Analogous

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



13.4552, 0.3910, 0.2281



13.4552, 0.5037, 0.2927



13.4552, 0.5453, 0.3659

Triad

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



13.4552, 0.5037, 0.2927



13.4552, 0.3161, 0.5560



13.4552, 0.1358, 0.1728

Complementary

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



13.4552, 0.5037, 0.2927



38.5808, 0.2482, 0.3830

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.



13.4552, 0.1242, 0.2219



13.4552, 0.5037, 0.2927



13.4552, 0.2154, 0.4725

Square

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



13.4552, 0.5037, 0.2927



13.4552, 0.4210, 0.5258



13.4552, 0.1480, 0.3267



13.4552, 0.1818, 0.1626

Rectangle

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



13.4552, 0.5037, 0.2927



13.4552, 0.5270, 0.4187



13.4552, 0.1480, 0.3267



13.4552, 0.1283, 0.1841

Sweetspot

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



13.4560, 0.5037, 0.2927



59.5331, 0.3473, 0.3157



12.6187, 0.2761, 0.1502



12.4587, 0.3527, 0.3140



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



13.4560, 0.5037, 0.2927



20.3658, 0.5654, 0.2987



17.1760, 0.5218, 0.3694



9.5719, 0.3253, 0.3237



7.4122, 0.5953, 0.3053



0.3008, 0.5264, 0.2674

Inverse Universe

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



13.4560, 0.5037, 0.2927



20.3658, 0.5654, 0.2987



26.9659, 0.2171, 0.2705



9.5719, 0.3253, 0.3237



7.4122, 0.5953, 0.3053



0.3008, 0.5264, 0.2674

Previews

White Background



This preview shows how the Yxy color 13.4552, 0.5037, 0.2927 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 13.4552, 0.5037, 0.2927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

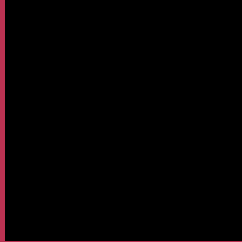
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4552, 0.5037, 0.2927

Background



This preview shows how black text looks on a background with the Yxy color 13.4552, 0.5037, 0.2927.



This preview shows how white text looks on a background with the Yxy color 13.4552, 0.5037, 0.2927.

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

13.4552, 0.5037, 0.2927

Protanopia

13.7263, 0.3076, 0.3183

Deuteranopia

13.6426, 0.3850, 0.3779



Tritanopia

13.4770, 0.5421, 0.3265

Trichromacy



Original Color

13.4552, 0.5037, 0.2927

Protanomaly

12.3098, 0.3726, 0.3007

Deuteranomaly

12.5459, 0.4313, 0.3346

Tritanomaly

13.3906, 0.5286, 0.3141

Monochromacy



Original Color

13.4552, 0.5037, 0.2927

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.9193, 0.3812, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4552, 0.5037, 0.2927 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(187, 50, 82)` looks like.

```
.text, #text, p{  
    color:rgb(187, 50, 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(187, 50, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 50, 82) }
```

Border

The CSS property to change the border of an element to Yxy 13.4552, 0.5037, 0.2927 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(187, 50, 82) }
```

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

```
.border{ border-color:rgb(187, 50, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 50, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 50, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 50, 82);  
box-shadow:4px 4px 4px 4px rgb(187, 50,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4552, 0.5037, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 50, 82) }
```

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

```
.background{ background-color: rgb(187, 50,  
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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