

Converting Colors

$Y_{xy}(13.0610, 0.4555, 0.2691)$

Have a look what the booklet for
Yxy(13.0610, 0.4555, 0.2691)
contains.

Yxy(13.1421, 0.4554, 0.2694)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1421, 0.4554, 0.2694)

Conversions

Conversions Part 1

Format	Color
Hex	B33664
RGB	179, 54, 100
RGB Percent	70%, 21%, 39%
CMY	0.2979, 0.7884, 0.6078
CMYK	0.00, 0.70, 0.44, 0.30
HSL	338°, 54%, 46%
HSV	338°, 70%, 70%
XYZ	22.2157, 13.1421, 13.4250
YIQ	96.6190, 59.7340, 40.8060

Conversions

Conversions Part 2

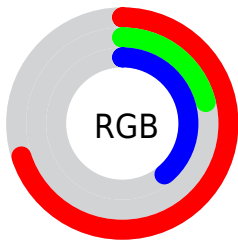
Format	Color
R _Y B	179, 54, 100
Decimal	11744868
CIE _{Lab}	42.98, 53.79, 2.14
CIE _{LCh}	43, 53.828, 2.278
Y _{xy}	13.1421, 0.4554, 0.2694
Android (android.graphics.Color)	4289934948 (0xFFB33664)
Y _{UV}	96.6190, 1.6668, 72.2481
Hunter-Lab	36.2520, 45.9460, 3.4198

Details

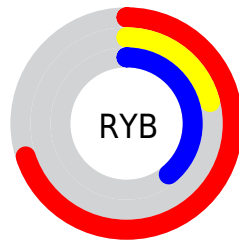
The Yxy color **13.1421, 0.4554, 0.2694** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **34.7293, 0.2594, 0.4118**, and the grayscale version is **11.8378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5224, 0.4200, 0.2838**, and **4.3313, 0.5103, 0.2585** is the 20% darker color. If you saturate the color by 10%, you get **11.5692, 0.4877, 0.2684**, and if you desaturate by 10%, it is **15.3599, 0.4249, 0.2743**.

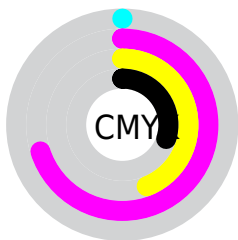
Distribution



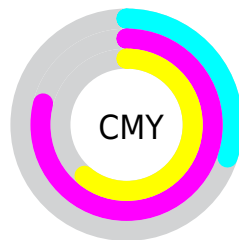
- Red (70%)
- Green (21%)
- Blue (39%)



- Red (70%)
- Yellow (21%)
- Blue (39%)



- Cyan (0%)
- Magenta (70%)
- Yellow (44%)
- Black (30%)





- Cyan (30%)
- Magenta (79%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1421, 0.4554, 0.2694 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 13.1421, 0.4554, 0.2694 by changing the saturation by 10% instead.


 13.1421, 0.4554,
0.2694


 13.1421, 0.4554,
0.2694


211.8264, 0.3698,
0.3057


 7.5265, 0.4832,
0.2573


 31.5588, 0.4200,
0.2846


 3.7935, 0.5238,
0.2395


 45.1287, 0.4081,
0.2896


 1.5587, 0.5874,
0.2111


 62.1188, 0.3985,
0.2936

 0.3295, 0.7786,
0.1354

 82.9136, 0.3907,
0.2969

 0.0000, 1.0000,
0.0000

 107.8973, 0.3842,
0.2997

 0.0000, 0.0000,
0.0000

 137.4544, 0.3786,

0.3020

171.9693, 0.3739,
0.3039

■ 13.1421, 0.4554,
0.2694

■ 13.1421, 0.4554,
0.2694

■ 11.5692, 0.4877,
0.2684

■ 15.3599, 0.4249,
0.2743

■ 10.5666, 0.5198,
0.2723

■ 18.2821, 0.3976,
0.2819

■ 9.9873, 0.5496,
0.2803

■ 21.9637, 0.3740,
0.2910

■ 9.9799, 0.5501,
0.2804

■ 26.4536, 0.3540,
0.3008

■ 31.7966, 0.3374,
0.3106

■ 38.0342, 0.3238,
0.3201

■ 45.2052, 0.3126,
0.3291

■ 53.3460, 0.3034,
0.3375

■ 62.4913, 0.2958,
0.3452

Harmonies

Analogous

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



13.1421, 0.3387, 0.2128



13.1421, 0.4554, 0.2694



13.1421, 0.5263, 0.3379

Triad

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



13.1421, 0.4554, 0.2694



13.1421, 0.3591, 0.5415



13.1421, 0.1353, 0.1944

Complementary

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



13.1421, 0.4554, 0.2694



34.7293, 0.2594, 0.4118

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.



13.1421, 0.1375, 0.2615



13.1421, 0.4554, 0.2694



13.1421, 0.2580, 0.5060

Square

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



13.1421, 0.4554, 0.2694



13.1421, 0.4541, 0.4901



13.1421, 0.1775, 0.3810



13.1421, 0.1661, 0.1705

Rectangle

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



13.1421, 0.4554, 0.2694



13.1421, 0.5302, 0.3870



13.1421, 0.1775, 0.3810



13.1421, 0.1324, 0.2111

Sweetspot

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



13.1428, 0.4554, 0.2694



55.3924, 0.3397, 0.3092



10.7234, 0.2569, 0.1463



11.6746, 0.3441, 0.3065



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.1428, 0.4554, 0.2694



19.5971, 0.5057, 0.2699



14.0553, 0.5276, 0.3471



8.5553, 0.3231, 0.3206



7.0611, 0.5470, 0.2787



0.2337, 0.4701, 0.2363

Inverse Universe

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



13.1428, 0.4554, 0.2694



19.5971, 0.5057, 0.2699



30.7482, 0.2275, 0.3040



8.5553, 0.3231, 0.3206



7.0611, 0.5470, 0.2787



0.2337, 0.4701, 0.2363

Previews

White Background



This preview shows how the Yxy color 13.1421, 0.4554, 0.2694 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 13.1421, 0.4554, 0.2694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

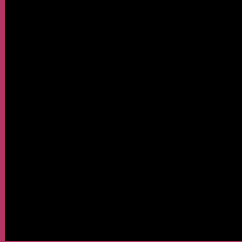
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1421, 0.4554, 0.2694

Background



This preview shows how black text looks on a background with the Yxy color 13.1421, 0.4554, 0.2694.



This preview shows how white text looks on a background with the Yxy color 13.1421, 0.4554, 0.2694.

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

13.1421, 0.4554, 0.2694

Protanopia

13.3527, 0.2728, 0.2724

Deuteranopia

13.3767, 0.3441, 0.3396



Tritanopia

13.1857, 0.5129, 0.3246

Trichromacy



Original Color

13.1421, 0.4554, 0.2694

Protanomaly

12.0843, 0.3284, 0.2638

Deuteranomaly

12.4343, 0.3848, 0.3051

Tritanomaly

13.1430, 0.4946, 0.3052

Monochromacy



Original Color

13.1421, 0.4554, 0.2694

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.2787, 0.3641, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1421, 0.4554, 0.2694 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(179, 54, 100)` looks like.

```
.text, #text, p{  
    color:rgb(179, 54, 100)  
}
```

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(179, 54, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 54, 100) }
```

Border

The CSS property to change the border of an element to Yxy 13.1421, 0.4554, 0.2694 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(179, 54, 100) }
```

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

```
.border{ border-color:rgb(179, 54, 100) }
```

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

Here you see how a box with a 4 pixel rgb(179, 54, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 54, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 54, 100);  
box-shadow:4px 4px 4px 4px rgb(179, 54,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1421, 0.4554, 0.2694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 54, 100) }
```

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

```
.background{ background-color: rgb(179, 54,  
100) }
```

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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