

Converting Colors

$Y_{xy}(13.6970, 0.3151, 0.1551)$

Have a look what the booklet for
Yxy(13.6970, 0.3151, 0.1551)
contains.

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Color

Yxy(13.6297, 0.3154, 0.1551)

Conversions

Conversions Part 1

Format	Color
Hex	B413B8
RGB	180, 19, 184
RGB Percent	71%, 7%, 72%
CMY	0.2939, 0.9262, 0.2783
CMYK	0.02, 0.90, 0.00, 0.28
HSL	299°, 81%, 40%
HSV	299°, 90%, 72%
XYZ	27.7164, 13.6297, 46.5308
YIQ	85.9490, 42.9910, 85.4470

Conversions

Conversions Part 2

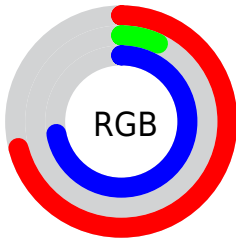
Format	Color
R_{YB}	180, 19, 184
Decimal	11801528
CIE _{Lab}	43.70, 74.25, -47.72
CIE _{LCh}	44, 88.262, 327.272
Yxy	13.6297, 0.3154, 0.1551
Android (android.graphics.Color)	4289991608 (0xFFB413B8)
YUV	85.9490, 48.3391, 82.4827
Hunter-Lab	36.9184, 69.4009, -48.8843

Details

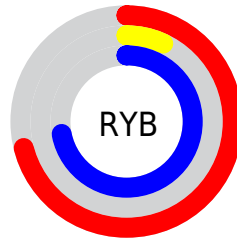
The Yxy color **13.6297, 0.3154, 0.1551** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **34.5176, 0.3012, 0.5903**, and the grayscale version is **9.1650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3559, 0.3174, 0.1857**, and **5.7493, 0.3060, 0.1459** is the 20% darker color. If you saturate the color by 10%, you get **13.1264, 0.3149, 0.1509**, and if you desaturate by 10%, it is **14.5613, 0.3157, 0.1627**.

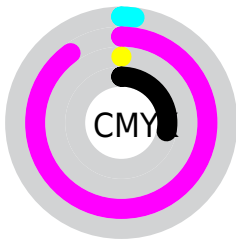
Distribution



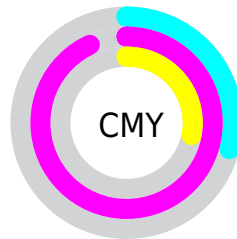
- Red (71%)
- Green (7%)
- Blue (72%)



- Red (71%)
- Yellow (7%)
- Blue (72%)



- Cyan (2%)
- Magenta (90%)
- Yellow (0%)
- Black (28%)




- Cyan (29%)
- Magenta (93%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6297, 0.3154, 0.1551 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 13.6297, 0.3154, 0.1551 by changing the saturation by 10% instead.


 13.6297, 0.3154,
0.1551


 13.6297, 0.3154,
0.1551


214.9148, 0.3191,
0.2422


 7.8636, 0.3124,
0.1346


 32.4305, 0.3182,
0.1861


 4.0078, 0.3071,
0.1096


 46.2340, 0.3188,
0.1980


 1.6779, 0.2975,
0.0794


 63.4854, 0.3192,
0.2082


 0.4093, 0.2814,
0.0376

 84.5691, 0.3193,
0.2169

 0.0000, 0.2460,
0.0000

 109.8695, 0.3194,
0.2245

 0.0000, 0.0636,
0.0000

 139.7710, 0.3193,

 0.0000, 0.0000,

0.2311

0.0000

174.6580, 0.3193,
0.2370

■ 13.6297, 0.3154,
0.1551

■ 13.6297, 0.3154,
0.1551

■ 13.1264, 0.3149,
0.1509

■ 14.5613, 0.3157,
0.1627

■ 13.1159, 0.3149,
0.1508

■ 16.0703, 0.3159,
0.1745

■ 18.2335, 0.3159,
0.1904

■ 21.1155, 0.3156,
0.2098

■ 24.7734, 0.3153,
0.2319

■ 29.2582, 0.3147,
0.2558

■ 34.6168, 0.3141,
0.2806

■ 40.8926, 0.3134,
0.3054

■ 48.1260, 0.3127,
0.3296

Harmonies

Analogous

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



13.6297, 0.1747, 0.1186



13.6297, 0.3154, 0.1551



13.6297, 0.5080, 0.2208

Triad

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



13.6297, 0.3154, 0.1551



13.6297, 0.4994, 0.5006



13.6297, 0.0749, 0.2346

Complementary

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



13.6297, 0.3154, 0.1551



34.5176, 0.3012, 0.5903

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.



13.6297, 0.1210, 0.4483



13.6297, 0.3154, 0.1551



13.6297, 0.3627, 0.6373

Square

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



13.6297, 0.3154, 0.1551



13.6297, 0.6116, 0.3863



13.6297, 0.2266, 0.6621



13.6297, 0.0727, 0.1415

Rectangle

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



13.6297, 0.3154, 0.1551



13.6297, 0.6052, 0.2721



13.6297, 0.2266, 0.6621



13.6297, 0.0840, 0.2908

Sweetspot

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



13.6303, 0.3154, 0.1551



55.1274, 0.3146, 0.2615



4.2657, 0.1563, 0.0720



11.2283, 0.3148, 0.2532



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.6303, 0.3154, 0.1551



23.7529, 0.3148, 0.1508



11.7136, 0.4593, 0.2375



9.1514, 0.3134, 0.3064



9.0413, 0.3150, 0.1509



0.3222, 0.3166, 0.1518

Inverse Universe

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



10.7146, 0.6168, 0.3279



18.4855, 0.6382, 0.3290



35.2711, 0.2725, 0.4925



9.0156, 0.3284, 0.3285



7.0313, 0.6369, 0.3282



0.2491, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 13.6297, 0.3154, 0.1551 looks on a white background.

Color Contrast Check

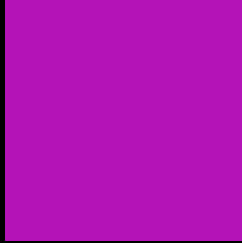
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6297, 0.3154, 0.1551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

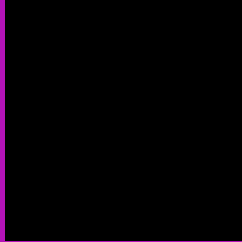
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6297, 0.3154, 0.1551

Background



This preview shows how black text looks on a background with the Yxy color 13.6297, 0.3154, 0.1551.



This preview shows how white text looks on a background with the Yxy color 13.6297, 0.3154, 0.1551.

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

13.6297, 0.3154, 0.1551

Protanopia

14.1624, 0.1741, 0.1469

Deuteranopia

14.0809, 0.2065, 0.2011



Tritanopia

13.7869, 0.4675, 0.3221

Trichromacy



Original Color

13.6297, 0.3154, 0.1551



Protanomaly

9.9421, 0.1838, 0.1201



Deuteranomaly

11.0149, 0.2300, 0.1574



Tritanomaly

12.6933, 0.4113, 0.2423

Monochromacy



Original Color

13.6297, 0.3154, 0.1551



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

8.8435, 0.3146, 0.2143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6297, 0.3154, 0.1551 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(180, 19, 184)` looks like.

```
.text, #text, p{  
    color:rgb(180, 19, 184)  
}
```

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(180, 19, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 19, 184) }
```

Border

The CSS property to change the border of an element to Yxy 13.6297, 0.3154, 0.1551 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(180, 19, 184) }
```

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

```
.border{ border-color:rgb(180, 19, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 19, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 19, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 19, 184);  
box-shadow:4px 4px 4px 4px rgb(180, 19,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6297, 0.3154, 0.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 19, 184) }
```

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

```
.background{ background-color: rgb(180, 19,  
184) }
```

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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