

Converting Colors

$Y_{xy}(18.2746, 0.3200, 0.1734)$

Have a look what the booklet for
Yxy(18.2746, 0.3200, 0.1734)
contains.

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Color

Yxy(18.2746, 0.3200, 0.1734)

Conversions

Conversions Part 1

Format	Color
Hex	C337C3
RGB	195, 55, 195
RGB Percent	76%, 22%, 76%
CMY	0.2353, 0.7843, 0.2352
CMYK	0.00, 0.72, 0.00, 0.24
HSL	300°, 56%, 49%
HSV	300°, 72%, 76%
XYZ	33.7248, 18.2746, 53.3905
YIQ	112.8200, 38.5000, 73.2200

Conversions

Conversions Part 2

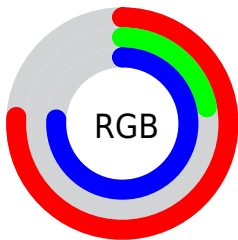
Format	Color
R _Y B	195, 55, 195
Decimal	12793795
CIE Lab	49.83, 70.24, -44.22
CIE LCh	50, 82.995, 327.808
Yxy	18.2746, 0.3200, 0.1734
Android (android.graphics.Color)	4290983875 (0xFFC337C3)
YUV	112.8200, 40.5147, 72.0719
Hunter-Lab	42.7488, 66.0092, -44.1252

Details

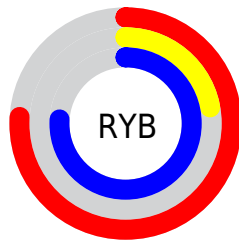
The Yxy color **18.2746, 0.3200, 0.1734** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **40.1267, 0.3021, 0.5564**, and the grayscale version is **16.3263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5497, 0.3215, 0.2008**, and **7.2415, 0.3140, 0.1503** is the 20% darker color. If you saturate the color by 10%, you get **16.7747, 0.3205, 0.1630**, and if you desaturate by 10%, it is **20.5078, 0.3193, 0.1880**.

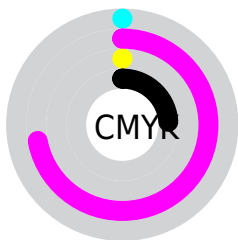
Distribution



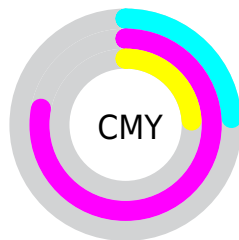
- Red (76%)
- Green (22%)
- Blue (76%)



- Red (76%)
- Yellow (22%)
- Blue (76%)



- Cyan (0%)
- Magenta (72%)
- Yellow (0%)
- Black (24%)




- Cyan (24%)
- Magenta (78%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2746, 0.3200, 0.1734 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 18.2746, 0.3200, 0.1734 by changing the saturation by 10% instead.


 18.2746, 0.3200,
0.1734

 18.2746, 0.3200,
0.1734


242.4143, 0.3202,
0.2500


 11.1473, 0.3185,
0.1554


 40.5047, 0.3211,
0.2005


 6.1660, 0.3158,
0.1334


 56.3763, 0.3212,
0.2110

 2.9463, 0.3105,
0.1061


 75.9314, 0.3211,
0.2199

 1.1038, 0.3000,
0.0728

 99.5545, 0.3210,
0.2275

 0.0000, 0.2886,
0.0000

 127.6300, 0.3208,
0.2342

 0.0000, 0.2285,
0.0000

160.5421, 0.3206,

 0.0000, 0.0000,

0.2401

0.0000

198.6755, 0.3204,
0.2453

■ 18.2746, 0.3200,
0.1734

■ 18.2746, 0.3200,
0.1734

■ 16.7747, 0.3205,
0.1630

■ 20.5078, 0.3193,
0.1880

■ 15.9136, 0.3208,
0.1569

■ 23.5489, 0.3185,
0.2062

■ 15.5432, 0.3209,
0.1541

■ 27.4660, 0.3175,
0.2275

■ 32.3196, 0.3164,
0.2509

■ 38.1644, 0.3152,
0.2755

■ 45.0513, 0.3141,
0.3003

■ 53.0276, 0.3129,
0.3247

■ 62.1375, 0.3118,
0.3481

■ 72.4229, 0.3108,
0.3702

Harmonies

Analogous

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



18.2746, 0.1922, 0.1378



18.2746, 0.3200, 0.1734



18.2746, 0.4845, 0.2362

Triad

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



18.2746, 0.3200, 0.1734



18.2746, 0.4928, 0.5015



18.2746, 0.0965, 0.2491

Complementary

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



18.2746, 0.3200, 0.1734



40.1267, 0.3021, 0.5564

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.



18.2746, 0.1442, 0.4279



18.2746, 0.3200, 0.1734



18.2746, 0.3687, 0.6025

Square

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



18.2746, 0.3200, 0.1734



18.2746, 0.5806, 0.3956



18.2746, 0.2450, 0.6051



18.2746, 0.0924, 0.1615

Rectangle

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



18.2746, 0.3200, 0.1734



18.2746, 0.5682, 0.2861



18.2746, 0.2450, 0.6051



18.2746, 0.1065, 0.2983

Sweetspot

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



18.2754, 0.3200, 0.1734



67.7276, 0.3153, 0.2741



7.7115, 0.1766, 0.1055



14.1635, 0.3156, 0.2673



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



18.2754, 0.3200, 0.1734



29.0551, 0.3207, 0.1591



15.8773, 0.4240, 0.2428



10.2475, 0.3138, 0.3063



10.1001, 0.3209, 0.1541



0.4364, 0.3209, 0.1541

Inverse Universe

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



14.6120, 0.5543, 0.3297



22.1254, 0.6147, 0.3299



41.2724, 0.2702, 0.4525



10.0779, 0.3289, 0.3290



7.5408, 0.6401, 0.3300



0.3258, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 18.2746, 0.3200, 0.1734 looks on a white background.

Color Contrast Check

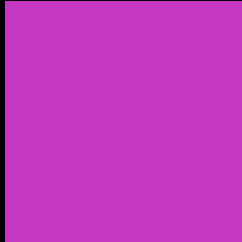
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2746, 0.3200, 0.1734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

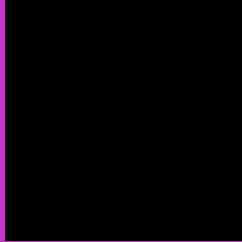
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2746, 0.3200, 0.1734

Background



This preview shows how black text looks on a background with the Yxy color 18.2746, 0.3200, 0.1734.

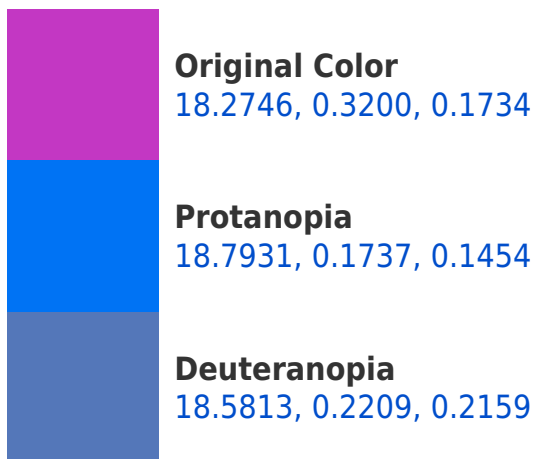


This preview shows how white text looks on a background with the Yxy color 18.2746, 0.3200, 0.1734.

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





Tritanopia

18.1796, 0.4476, 0.3197

Trichromacy



Original Color

18.2746, 0.3200, 0.1734



Protanomaly

14.6593, 0.1864, 0.1350



Deuteranomaly

16.3250, 0.2459, 0.1852



Tritanomaly

17.6651, 0.3993, 0.2560

Monochromacy



Original Color

18.2746, 0.3200, 0.1734



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.4771, 0.3167, 0.2437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2746, 0.3200, 0.1734 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(195, 55, 195)` looks like.

```
.text, #text, p{  
    color:rgb(195, 55, 195)  
}
```

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(195, 55, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 55, 195) }
```

Border

The CSS property to change the border of an element to Yxy 18.2746, 0.3200, 0.1734 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(195, 55, 195) }
```

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

```
.border{ border-color:rgb(195, 55, 195) }
```

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

Here you see how a box with a 4 pixel rgb(195, 55, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 55, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 55, 195);  
box-shadow:4px 4px 4px 4px rgb(195, 55,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2746, 0.3200, 0.1734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 55, 195) }
```

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

```
.background{ background-color: rgb(195, 55,  
195) }
```

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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