

Converting Colors

$Y_{xy}(18.0342, 0.3213, 0.2021)$

Have a look what the booklet for
Yxy(18.0342, 0.3213, 0.2021)
contains.

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Color

Yxy(18.0342, 0.3213, 0.2021)

Conversions

Conversions Part 1

Format	Color
Hex	B14FAF
RGB	177, 79, 175
RGB Percent	69%, 31%, 69%
CMY	0.3058, 0.6903, 0.3137
CMYK	0.00, 0.55, 0.01, 0.31
HSL	301°, 39%, 50%
HSV	301°, 55%, 69%
XYZ	28.6709, 18.0342, 42.5289
YIQ	119.2460, 27.5920, 50.6320

Conversions

Conversions Part 2

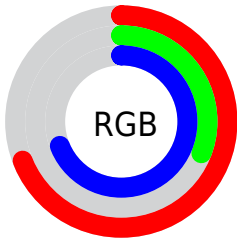
Format	Color
R_{YB}	177, 79, 175
Decimal	11620271
CIE Lab	49.54, 52.84, -33.20
CIE LCh	50, 62.404, 327.857
Yxy	18.0342, 0.3213, 0.2021
Android (android.graphics.Color)	4289810351 (0xFFB14FAF)
YUV	119.2460, 27.4867, 50.6503
Hunter-Lab	42.4667, 46.1955, -29.6502

Details

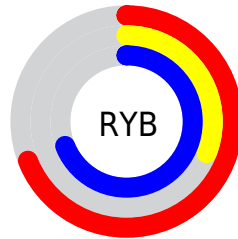
The Yxy color **18.0342, 0.3213, 0.2021** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.7127, 0.3034, 0.5004**, and the grayscale version is **18.4332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2067, 0.3213, 0.2263**, and **6.0790, 0.3204, 0.1650** is the 20% darker color. If you saturate the color by 10%, you get **15.7987, 0.3227, 0.1852**, and if you desaturate by 10%, it is **20.9512, 0.3198, 0.2221**.

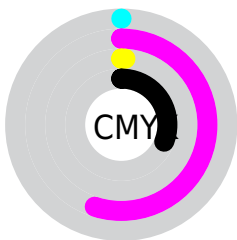
Distribution



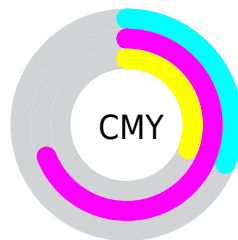
- Red (69%)
- Green (31%)
- Blue (69%)



- Red (69%)
- Yellow (31%)
- Blue (69%)



- Cyan (0%)
- Magenta (55%)
- Yellow (1%)
- Black (31%)





- Cyan (31%)
- Magenta (69%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0342, 0.3213, 0.2021 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 18.0342, 0.3213, 0.2021 by changing the saturation by 10% instead.


 18.0342, 0.3213,
0.2021


 18.0342, 0.3213,
0.2021


241.0637, 0.3192,
0.2675


 10.9745, 0.3209,
0.1856


 40.0956, 0.3212,
0.2261


 6.0497, 0.3196,
0.1645


 55.8661, 0.3209,
0.2351

 2.8753, 0.3166,
0.1369


 75.3091, 0.3206,
0.2426

 1.0670, 0.3095,
0.1004

 98.8088, 0.3203,
0.2490

 0.0000, 0.3080,
0.0000

 126.7497, 0.3200,
0.2546

 0.0000, 0.1509,
0.0000

159.5163, 0.3197,

 0.0000, 0.0000,

0.2594

0.0000

197.4928, 0.3195,
0.2637

■ 18.0342, 0.3213,
0.2021

■ 18.0342, 0.3213,
0.2021

■ 15.7987, 0.3227,
0.1852

■ 20.9512, 0.3198,
0.2221

■ 14.1871, 0.3239,
0.1722

■ 24.5966, 0.3182,
0.2445

■ 13.1362, 0.3250,
0.1633

■ 29.0159, 0.3166,
0.2682

■ 12.5662, 0.3258,
0.1585

■ 34.2502, 0.3150,
0.2924

■ 12.3824, 0.3261,
0.1570

■ 40.3376, 0.3135,
0.3164

■ 47.3139, 0.3121,
0.3396

■ 55.2130, 0.3108,
0.3615

■ 64.0667, 0.3096,
0.3820

■ 73.9056, 0.3085,
0.4010

Harmonies

Analogous

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



18.0342, 0.2176, 0.1705



18.0342, 0.3213, 0.2021



18.0342, 0.4449, 0.2573

Triad

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



18.0342, 0.3213, 0.2021



18.0342, 0.4701, 0.4826



18.0342, 0.1352, 0.2730

Complementary

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



18.0342, 0.3213, 0.2021



33.7127, 0.3034, 0.5004

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.



18.0342, 0.1819, 0.4044



18.0342, 0.3213, 0.2021



18.0342, 0.3743, 0.5460

Square

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



18.0342, 0.3213, 0.2021



18.0342, 0.5326, 0.4015



18.0342, 0.2696, 0.5280



18.0342, 0.1282, 0.1963

Rectangle

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



18.0342, 0.3213, 0.2021



18.0342, 0.5092, 0.3022



18.0342, 0.2696, 0.5280



18.0342, 0.1459, 0.3116

Sweetspot

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



18.0350, 0.3213, 0.2021



59.4177, 0.3153, 0.2878



10.4966, 0.2088, 0.1555



12.4688, 0.3156, 0.2831



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



18.0350, 0.3213, 0.2021



27.7045, 0.3229, 0.1827



16.4557, 0.3930, 0.2615



8.6436, 0.3141, 0.3070



8.9690, 0.3261, 0.1570



0.2832, 0.3245, 0.1561

Inverse Universe

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



18.0350, 0.3213, 0.2021



27.7045, 0.3229, 0.1827



34.7206, 0.2728, 0.4125



8.6436, 0.3141, 0.3070



8.9690, 0.3261, 0.1570



0.2832, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 18.0342, 0.3213, 0.2021 looks on a white background.

Color Contrast Check

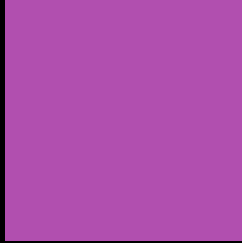
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0342, 0.3213, 0.2021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

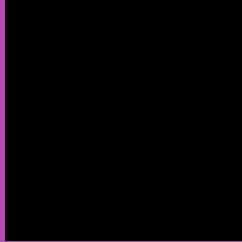
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0342, 0.3213, 0.2021

Background



This preview shows how black text looks on a background with the Yxy color 18.0342, 0.3213, 0.2021.

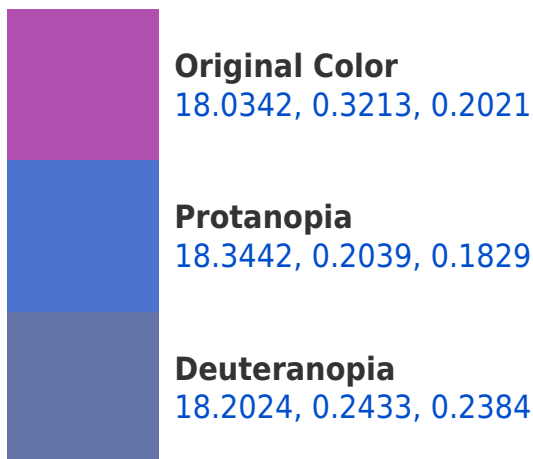


This preview shows how white text looks on a background with the Yxy color 18.0342, 0.3213, 0.2021.

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

17.9839, 0.4097, 0.3185

Trichromacy



Original Color

18.0342, 0.3213, 0.2021



Protanomaly

16.9536, 0.2324, 0.1840



Deuteranomaly

17.1528, 0.2658, 0.2176



Tritanomaly

17.6947, 0.3764, 0.2696

Monochromacy



Original Color

18.0342, 0.3213, 0.2021



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.3402, 0.3169, 0.2690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0342, 0.3213, 0.2021 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(177, 79, 175)` looks like.

```
.text, #text, p{  
    color:rgb(177, 79, 175)  
}
```

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(177, 79, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 79, 175) }
```

Border

The CSS property to change the border of an element to Yxy 18.0342, 0.3213, 0.2021 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(177, 79, 175) }
```

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

```
.border{ border-color:rgb(177, 79, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 79, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 79, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 79, 175); box-shadow:4px 4px 4px 4px rgb(177, 79, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0342, 0.3213, 0.2021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 79, 175) }
```

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

```
.background{ background-color: rgb(177, 79,  
175) }
```

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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