

Converting Colors

$Y_{xy}(32.0133, 0.2722, 0.2161)$

Have a look what the booklet for
Yxy(32.0133, 0.2722, 0.2161)
contains.

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Color

Yxy(32.0490, 0.2716, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	B087E2
RGB	176, 135, 226
RGB Percent	69%, 53%, 89%
CMY	0.3098, 0.4706, 0.1136
CMYK	0.22, 0.40, 0.00, 0.11
HSL	267°, 61%, 71%
HSV	267°, 40%, 89%
XYZ	40.2987, 32.0490, 76.0273
YIQ	157.6330, -4.7750, 36.9930

Conversions

Conversions Part 2

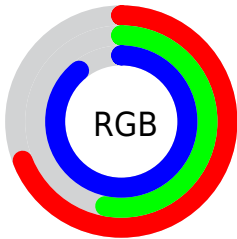
Format	Color
RYB	176, 135, 226
Decimal	11569122
CIELab	63.38, 33.45, -40.56
CIElCh	63, 52.581, 309.513
Yxy	32.0490, 0.2716, 0.2160
Android (android.graphics.Color)	4289759202 (0xFFB087E2)
YUV	157.6330, 33.7049, 16.1079
Hunter-Lab	56.6118, 27.9930, -39.9957

Details

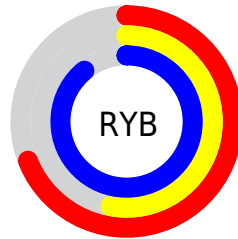
The Yxy color **32.0490, 0.2716, 0.2160** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.4684, 0.3414, 0.4399**, and the grayscale version is **33.8646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9388, 0.2992, 0.2610**, and **13.3079, 0.2570, 0.1868** is the 20% darker color. If you saturate the color by 10%, you get **25.0167, 0.2582, 0.1856**, and if you desaturate by 10%, it is **40.5550, 0.2839, 0.2464**.

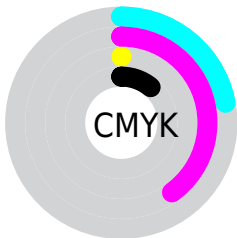
Distribution



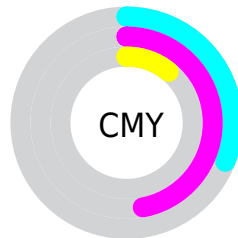
- Red (69%)
- Green (53%)
- Blue (89%)



- Red (69%)
- Yellow (53%)
- Blue (89%)



- Cyan (22%)
- Magenta (40%)
- Yellow (0%)
- Black (11%)





- Cyan (31%)
- Magenta (47%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0490, 0.2716, 0.2160 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 32.0490, 0.2716, 0.2160 by changing the saturation by 10% instead.


 32.0490, 0.2716,
0.2160


 32.0490, 0.2716,
0.2160


311.3424, 0.2942,
0.2706

 21.3989, 0.2655,
0.2032


 62.8879, 0.2802,
0.2353

 13.4159, 0.2574,
0.1874

 83.8455, 0.2833,
0.2427

 7.7156, 0.2464,
0.1673


 109.0078, 0.2859,
0.2490

 3.9135, 0.2307,
0.1415

138.7591, 0.2881,
0.2545

 1.6253, 0.2070,
0.1078

173.4838, 0.2899,
0.2593

 0.3746, 0.1714,
0.0527

213.5663, 0.2916,


 0.0000, 0.0462,


0.2635


0.0000


259.3910, 0.2930,
0.2672


 0.0000, 0.0000,
0.0000


 32.0490, 0.2716,
0.2160


 32.0490, 0.2716,
0.2160


 25.0167, 0.2582,
0.1856


 40.5550, 0.2839,
0.2464

 19.3651, 0.2440,
0.1566


 50.6121, 0.2948,
0.2756

 14.9967, 0.2295,
0.1306

 62.2969, 0.3043,
0.3031

 11.7985, 0.2156,
0.1091

 75.6797, 0.3125,
0.3283

 9.6369, 0.2027,
0.0933

 90.8264, 0.3194,
0.3513

■ 8.3069, 0.1918,
0.0830

■ 97.4324, 0.3268,
0.3574

■ 98.2721, 0.3297,
0.3572

Harmonies

Analogous

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



32.0490, 0.2100, 0.2049



32.0490, 0.2716, 0.2160



32.0490, 0.3546, 0.2492

Triad

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



32.0490, 0.2716, 0.2160



32.0490, 0.4638, 0.4170



32.0490, 0.2009, 0.3460

Complementary

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



32.0490, 0.2716, 0.2160



66.4684, 0.3414, 0.4399

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.



32.0490, 0.2590, 0.4343



32.0490, 0.2716, 0.2160



32.0490, 0.4110, 0.4671

Square

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



32.0490, 0.2716, 0.2160



32.0490, 0.4751, 0.3572



32.0490, 0.3360, 0.4814



32.0490, 0.1736, 0.2667

Rectangle

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



32.0490, 0.2716, 0.2160



32.0490, 0.4101, 0.2810



32.0490, 0.3360, 0.4814



32.0490, 0.2171, 0.3767

Sweetspot

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



32.0503, 0.2716, 0.2160



78.9560, 0.3027, 0.2983



45.3658, 0.2490, 0.2749



16.4519, 0.3015, 0.2947



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.



32.0503, 0.2716, 0.2160



34.5448, 0.2609, 0.1915



38.2653, 0.3131, 0.2288



13.5441, 0.3051, 0.3053



4.8065, 0.1934, 0.0839



0.3858, 0.2107, 0.0934

Inverse Universe

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



37.0026, 0.3581, 0.2715



42.0891, 0.3712, 0.2605



61.6891, 0.3098, 0.4516



13.8259, 0.3206, 0.3162



10.0814, 0.4744, 0.2387



0.7168, 0.4442, 0.2221

Previews

White Background



This preview shows how the Yxy color 32.0490, 0.2716, 0.2160 looks on a white background.

Color Contrast Check

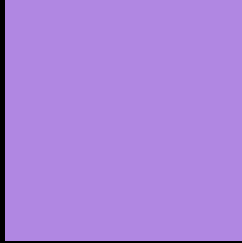
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 32.0490, 0.2716, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

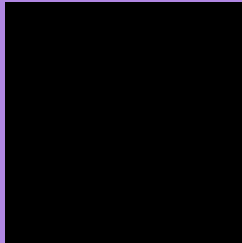
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0490, 0.2716, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 32.0490, 0.2716, 0.2160.



This preview shows how white text looks on a background with the Yxy color 32.0490, 0.2716, 0.2160.

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

32.0490, 0.2716, 0.2160

Protanopia

32.4302, 0.2256, 0.2119

Deuteranopia

32.1660, 0.2379, 0.2318



Tritanopia

32.0674, 0.3176, 0.3115

Trichromacy



Original Color

32.0490, 0.2716, 0.2160

Protanomaly

31.8540, 0.2399, 0.2125

Deuteranomaly

31.8148, 0.2489, 0.2256

Tritanomaly

31.8843, 0.2995, 0.2721

Monochromacy



Original Color

32.0490, 0.2716, 0.2160

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.2309, 0.2974, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0490, 0.2716, 0.2160 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(176, 135, 226)` looks like.

```
.text, #text, p{  
    color:rgb(176, 135, 226)  
}
```

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(176, 135, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 135, 226) }
```

Border

The CSS property to change the border of an element to Yxy 32.0490, 0.2716, 0.2160 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(176, 135, 226) }
```

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

```
.border{ border-color:rgb(176, 135, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 135, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 135, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 135, 226); box-shadow:4px 4px 4px 4px rgb(176, 135, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0490, 0.2716, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 135, 226) }
```

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

```
.background{ background-color: rgb(176,  
135, 226) }
```

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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