

Converting Colors

$Yxy(33.3449, 0.2932, 0.2027)$

Have a look what the booklet for
Yxy(33.3449, 0.2932, 0.2027)
contains.

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Color

Yxy(33.2862, 0.2929, 0.2020)

Conversions

Conversions Part 1

Format	Color
Hex	D179EC
RGB	209, 121, 236
RGB Percent	82%, 47%, 93%
CMY	0.1805, 0.5254, 0.0745
CMYK	0.11, 0.49, 0.00, 0.07
HSL	286°, 75%, 70%
HSV	286°, 49%, 93%
XYZ	48.2650, 33.2862, 83.2320
YIQ	160.4220, 15.5330, 54.4210

Conversions

Conversions Part 2

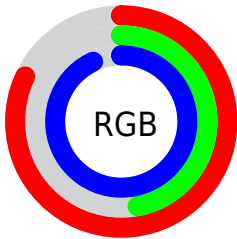
Format	Color
R _Y B	209, 121, 236
Decimal	13728236
CIE Lab	64.39, 52.39, -44.26
CIE LCh	64, 68.582, 319.805
Yxy	33.2862, 0.2929, 0.2020
Android (android.graphics.Color)	4291918316 (0xFFD179EC)
YUV	160.4220, 37.2600, 42.6029
Hunter-Lab	57.6942, 48.3622, -45.1482

Details

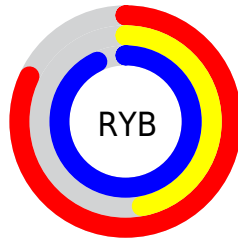
The Yxy color **33.2862, 0.2929, 0.2020** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **67.6680, 0.3214, 0.4762**, and the grayscale version is **35.1800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **14.1049, 0.2835, 0.1719** is the 20% darker color. If you saturate the color by 10%, you get **27.4402, 0.2871, 0.1782**, and if you desaturate by 10%, it is **40.5660, 0.2982, 0.2278**.

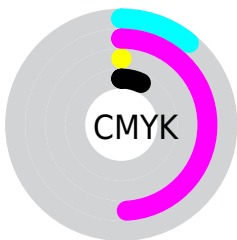
Distribution



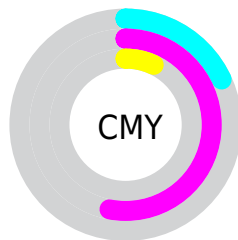
- Red (82%)
- Green (47%)
- Blue (93%)



- Red (82%)
- Yellow (47%)
- Blue (93%)



- Cyan (11%)
- Magenta (49%)
- Yellow (0%)
- Black (7%)




- Cyan (18%)
- Magenta (53%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2862, 0.2929, 0.2020 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 33.2862, 0.2929, 0.2020 by changing the saturation by 10% instead.


 33.2862, 0.2929,
0.2020


 33.2862, 0.2929,
0.2020


316.9374, 0.3053,
0.2613

 22.3458, 0.2892,
0.1887


 64.8221, 0.2979,
0.2225

 14.1112, 0.2841,
0.1724


 86.1864, 0.2997,
0.2305

 8.1980, 0.2770,
0.1524


 111.7941, 0.3011,
0.2374

 4.2219, 0.2663,
0.1273

142.0295, 0.3022,
0.2434

 1.7985, 0.2497,
0.0958

177.2772, 0.3032,
0.2487

 0.4862, 0.2232,
0.0517

217.9215, 0.3040,

 0.0000, 0.1739,

0.2534


0.0000


264.3468, 0.3047,
0.2575


 0.0000, 0.0000,
0.0000


 33.2862, 0.2929,
0.2020


 33.2862, 0.2929,
0.2020


 27.4402, 0.2871,
0.1782


 40.5660, 0.2982,
0.2278

 22.9194, 0.2809,
0.1577

 49.3691, 0.3029,
0.2546

 19.6063, 0.2745,
0.1412


 59.7830, 0.3069,
0.2814

 17.3604, 0.2681,
0.1294

 71.8868, 0.3103,
0.3074


 15.9742, 0.2619,
0.1220

 85.7546, 0.3130,
0.3321

 15.8225, 0.2612,
0.1212

 96.4974, 0.3157,
0.3478

 97.4952, 0.3192,
0.3476

 98.5230, 0.3228,
0.3474

 98.8357, 0.3238,
0.3473

Harmonies

Analogous

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



33.2862, 0.2069, 0.1791



33.2862, 0.2929, 0.2020



33.2862, 0.4031, 0.2486

Triad

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



33.2862, 0.2929, 0.2020



33.2862, 0.4788, 0.4544



33.2862, 0.1578, 0.3081

Complementary

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



33.2862, 0.2929, 0.2020



67.6680, 0.3214, 0.4762

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.



33.2862, 0.2136, 0.4304



33.2862, 0.2929, 0.2020



33.2862, 0.3982, 0.5160

Square

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



33.2862, 0.2929, 0.2020



33.2862, 0.5193, 0.3809



33.2862, 0.3020, 0.5196



33.2862, 0.1408, 0.2232

Rectangle

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



33.2862, 0.2929, 0.2020



33.2862, 0.4691, 0.2892



33.2862, 0.3020, 0.5196



33.2862, 0.1719, 0.3468

Sweetspot

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



33.2876, 0.2929, 0.2020



76.3116, 0.3082, 0.2910



31.8606, 0.2268, 0.2132



15.7024, 0.3074, 0.2855



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.



33.2876, 0.2929, 0.2020



33.0093, 0.2874, 0.1793



36.0296, 0.3466, 0.2368



15.1250, 0.3100, 0.3055



8.7841, 0.2621, 0.1218



0.7328, 0.2706, 0.1265

Inverse Universe

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



33.6519, 0.4158, 0.2991



33.7451, 0.4489, 0.2948



66.2480, 0.2913, 0.4450



15.1121, 0.3256, 0.3235



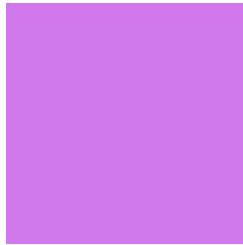
10.0009, 0.5973, 0.3064



0.7999, 0.5586, 0.2851

Previews

White Background



This preview shows how the Yxy color 33.2862, 0.2929, 0.2020 looks on a white background.

Color Contrast Check

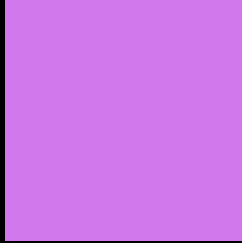
Large Text (above 18pt) WCAG AA × Fail

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 33.2862, 0.2929, 0.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

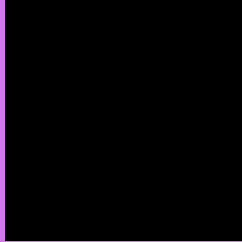
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2862, 0.2929, 0.2020

Background



This preview shows how black text looks on a background with the Yxy color 33.2862, 0.2929, 0.2020.



This preview shows how white text looks on a background with the Yxy color 33.2862, 0.2929, 0.2020.

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

33.2862, 0.2929, 0.2020

Protanopia

33.7155, 0.2161, 0.1989

Deuteranopia

33.4598, 0.2342, 0.2283



Tritanopia

33.1871, 0.3623, 0.3146

Trichromacy



Original Color

33.2862, 0.2929, 0.2020



Protanomaly

32.3111, 0.2376, 0.1966



Deuteranomaly

32.5390, 0.2519, 0.2151



Tritanomaly

32.8866, 0.3346, 0.2673

Monochromacy



Original Color

33.2862, 0.2929, 0.2020



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.6536, 0.3055, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2862, 0.2929, 0.2020 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(209, 121, 236)` looks like.

```
.text, #text, p{  
    color:rgb(209, 121, 236)  
}
```

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(209, 121, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 121, 236) }
```

Border

The CSS property to change the border of an element to Yxy 33.2862, 0.2929, 0.2020 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(209, 121, 236) }
```

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

```
.border{ border-color:rgb(209, 121, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 121, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 121, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 121, 236);  
box-shadow:4px 4px 4px 4px rgb(209, 121,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2862, 0.2929, 0.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 121, 236) }
```

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

```
.background{ background-color: rgb(209,  
121, 236) }
```

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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