

Converting Colors

$Y_{xy}(32.6137, 0.3091, 0.2135)$

Have a look what the booklet for
Yxy(32.6137, 0.3091, 0.2135)
contains.

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Color

Yxy(32.6137, 0.3091, 0.2135)

Conversions

Conversions Part 1

Format	Color
Hex	D577DE
RGB	213, 119, 222
RGB Percent	84%, 47%, 87%
CMY	0.1648, 0.5333, 0.1293
CMYK	0.04, 0.46, 0.00, 0.13
HSL	295°, 61%, 67%
HSV	295°, 46%, 87%
XYZ	47.2173, 32.6137, 72.9264
YIQ	158.8480, 22.9610, 51.9610

Conversions

Conversions Part 2

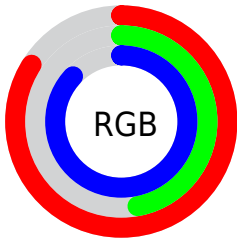
Format	Color
R _Y B	213, 119, 222
Decimal	13989854
CIE Lab	63.85, 51.83, -37.32
CIE LCh	64, 63.867, 324.244
Yxy	32.6137, 0.3091, 0.2135
Android (android.graphics.Color)	4292179934 (0xFFD577DE)
YUV	158.8480, 31.1339, 47.4913
Hunter-Lab	57.1084, 47.6443, -35.7363

Details

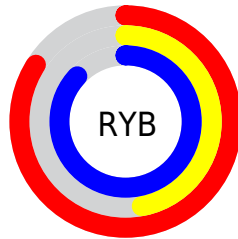
The Yxy color **32.6137, 0.3091, 0.2135** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.1795, 0.3114, 0.4722**, and the grayscale version is **34.4473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **13.7175, 0.3055, 0.1859** is the 20% darker color. If you saturate the color by 10%, you get **27.6426, 0.3076, 0.1919**, and if you desaturate by 10%, it is **38.8254, 0.3104, 0.2374**.

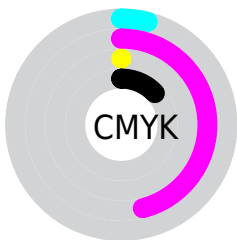
Distribution



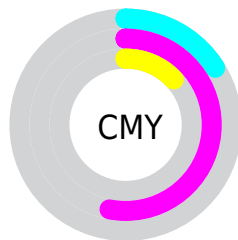
- Red (84%)
- Green (47%)
- Blue (87%)



- Red (84%)
- Yellow (47%)
- Blue (87%)



- Cyan (4%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)





- Cyan (16%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6137, 0.3091, 0.2135 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 32.6137, 0.3091, 0.2135 by changing the saturation by 10% instead.


 32.6137, 0.3091,
0.2135


 32.6137, 0.3091,
0.2135


313.9054, 0.3131,
0.2683

 21.8307, 0.3075,
0.2009


 63.7719, 0.3110,
0.2326

 13.7325, 0.3051,
0.1853


 84.9160, 0.3116,
0.2401

 7.9349, 0.3014,
0.1658

 110.2824, 0.3120,
0.2464

 4.0533, 0.2954,
0.1409

140.2558, 0.3124,
0.2520

 1.7034, 0.2848,
0.1085

175.2203, 0.3126,
0.2568

 0.4259, 0.2671,
0.0577

215.5605, 0.3128,


 0.0000, 0.2209,


0.2611


0.0000


261.6608, 0.3130,
0.2649


 0.0000, 0.0000,
0.0000


 32.6137, 0.3091,
0.2135


 32.6137, 0.3091,
0.2135


 27.6426, 0.3076,
0.1919


 38.8254, 0.3104,
0.2374


 23.8206, 0.3058,
0.1735


 46.3522, 0.3113,
0.2627


 21.0506, 0.3038,
0.1591

 55.2679, 0.3120,
0.2883

 19.2173, 0.3017,
0.1491

 65.6393, 0.3125,
0.3134

 18.1759, 0.2995,
0.1434

 77.5292, 0.3128,
0.3376

■ 17.9032, 0.2987,
0.1419

■ 90.9965, 0.3129,
0.3603

■ 93.0647, 0.3140,
0.3629

■ 93.3830, 0.3152,
0.3628

■ 93.7049, 0.3164,
0.3627

Harmonies

Analogous

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



32.6137, 0.2226, 0.1879



32.6137, 0.3091, 0.2135



32.6137, 0.4128, 0.2612

Triad

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



32.6137, 0.3091, 0.2135



32.6137, 0.4620, 0.4599



32.6137, 0.1611, 0.2957

Complementary

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



32.6137, 0.3091, 0.2135



58.1795, 0.3114, 0.4722

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.



32.6137, 0.2095, 0.4067



32.6137, 0.3091, 0.2135



32.6137, 0.3826, 0.5106

Square

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



32.6137, 0.3091, 0.2135



32.6137, 0.5060, 0.3909



32.6137, 0.2906, 0.4990



32.6137, 0.1492, 0.2216

Rectangle

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



32.6137, 0.3091, 0.2135



32.6137, 0.4705, 0.3014



32.6137, 0.2906, 0.4990



32.6137, 0.1730, 0.3300

Sweetspot

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



32.6151, 0.3091, 0.2135



78.7097, 0.3122, 0.2941



24.9834, 0.2275, 0.1981



16.2224, 0.3120, 0.2885



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.



32.6151, 0.3091, 0.2135



37.8103, 0.3076, 0.1918



32.0599, 0.3617, 0.2574



13.8712, 0.3124, 0.3058



10.6570, 0.2990, 0.1421



0.7569, 0.3026, 0.1441

Inverse Universe

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



30.2915, 0.4274, 0.3186



34.3667, 0.4682, 0.3171



58.7217, 0.2836, 0.4153



13.7200, 0.3278, 0.3270



9.2601, 0.6298, 0.3243



0.6487, 0.6037, 0.3099

Previews

White Background



This preview shows how the Yxy color 32.6137, 0.3091, 0.2135 looks on a white background.

Color Contrast Check

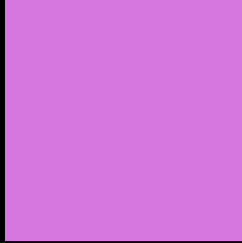
Large Text (above 18pt) WCAG AA × Fail

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 32.6137, 0.3091, 0.2135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

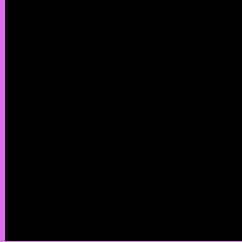
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6137, 0.3091, 0.2135

Background



This preview shows how black text looks on a background with the Yxy color 32.6137, 0.3091, 0.2135.



This preview shows how white text looks on a background with the Yxy color 32.6137, 0.3091, 0.2135.

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

32.6137, 0.3091, 0.2135

Protanopia

33.1405, 0.2185, 0.2022

Deuteranopia

32.8912, 0.2480, 0.2415



Tritanopia

32.4114, 0.3760, 0.3149

Trichromacy



Original Color

32.6137, 0.3091, 0.2135



Protanomaly

31.7228, 0.2434, 0.2029



Deuteranomaly

31.8982, 0.2669, 0.2283



Tritanomaly

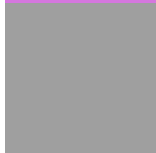
32.2867, 0.3512, 0.2742

Monochromacy



Original Color

32.6137, 0.3091, 0.2135



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.9076, 0.3121, 0.2775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6137, 0.3091, 0.2135 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(213, 119, 222)` looks like.

```
.text, #text, p{  
    color:rgb(213, 119, 222)  
}
```

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(213, 119, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 119, 222) }
```

Border

The CSS property to change the border of an element to Yxy 32.6137, 0.3091, 0.2135 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(213, 119, 222) }
```

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

```
.border{ border-color:rgb(213, 119, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 119, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 119, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 119, 222);  
box-shadow:4px 4px 4px 4px rgb(213, 119,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6137, 0.3091, 0.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 119, 222) }
```

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

```
.background{ background-color: rgb(213,  
119, 222) }
```

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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