

Converting Colors

$Y_{xy}(30.0810, 0.3250, 0.2269)$

Have a look what the booklet for
Yxy(30.0810, 0.3250, 0.2269)
contains.

Yxy(30.0810, 0.3250, 0.2269)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0810, 0.3250, 0.2269)

Conversions

Conversions Part 1

Format	Color
Hex	D173CA
RGB	209, 115, 202
RGB Percent	82%, 45%, 79%
CMY	0.1804, 0.5490, 0.2079
CMYK	0.00, 0.45, 0.03, 0.18
HSL	304°, 51%, 64%
HSV	304°, 45%, 82%
XYZ	43.0865, 30.0810, 59.4063
YIQ	153.0240, 28.0970, 46.9850

Conversions

Conversions Part 2

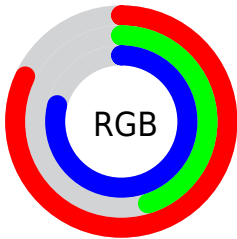
Format	Color
RYB	209, 115, 202
Decimal	13726666
CIELab	61.72, 49.08, -29.42
CIElCh	62, 57.219, 329.059
Yxy	30.0810, 0.3250, 0.2269
Android (android.graphics.Color)	4291916746 (0xFFD173CA)
YUV	153.0240, 24.1452, 49.0910
Hunter-Lab	54.8461, 44.2467, -25.8274

Details

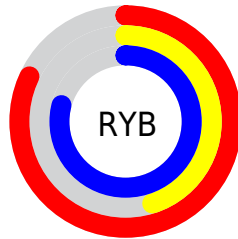
The Yxy color **30.0810, 0.3250, 0.2269** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **50.6558, 0.3022, 0.4585**, and the grayscale version is **31.7508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **12.3557, 0.3264, 0.1996** is the 20% darker color. If you saturate the color by 10%, you get **25.7703, 0.3281, 0.2073**, and if you desaturate by 10%, it is **35.4757, 0.3219, 0.2486**.

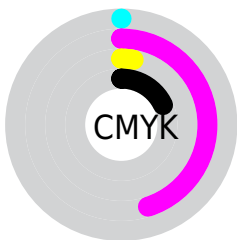
Distribution



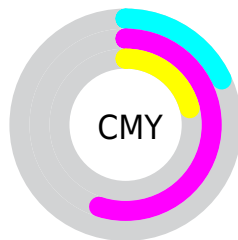
- Red (82%)
- Green (45%)
- Blue (79%)



- Red (82%)
- Yellow (45%)
- Blue (79%)



- Cyan (0%)
- Magenta (45%)
- Yellow (3%)
- Black (18%)





- Cyan (18%)
- Magenta (55%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0810, 0.3250, 0.2269 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 30.0810, 0.3250, 0.2269 by changing the saturation by 10% instead.


 30.0810, 0.3250,
0.2269

 30.0810, 0.3250,
0.2269


302.2818, 0.3203,
0.2767


 19.9001, 0.3257,
0.2150


 59.7903, 0.3236,
0.2447

 12.3224, 0.3263,
0.2000


 80.0874, 0.3230,
0.2514

 6.9637, 0.3266,
0.1808


 104.5253, 0.3225,
0.2572

 3.4394, 0.3260,
0.1555

133.4886, 0.3220,
0.2622

 1.3652, 0.3231,
0.1211

167.3614, 0.3215,
0.2665

 0.1909, 0.3245,
0.0412

206.5283, 0.3211,


 0.0000, 0.2355,


0.2703

0.0000

251.3737, 0.3207,
0.2737


 0.0000, 0.0000,
0.0000


 30.0810, 0.3250,
0.2269


 30.0810, 0.3250,
0.2269


 25.7703, 0.3281,
0.2073


 35.4757, 0.3219,
0.2486


 22.4655, 0.3313,
0.1909


 42.0174, 0.3190,
0.2716


 20.0848, 0.3343,
0.1783


 49.7689, 0.3163,
0.2949

 18.5316, 0.3371,
0.1700

 58.7876, 0.3138,
0.3179

 17.6881, 0.3396,
0.1661

 69.1271, 0.3116,
0.3400

 17.4250, 0.3408,
0.1651

 80.8377, 0.3097,
0.3608

 89.8762, 0.3082,
0.3741

 89.9558, 0.3074,
0.3723

 90.0362, 0.3065,
0.3706

Harmonies

Analogous

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



30.0810, 0.2401, 0.1989



30.0810, 0.3250, 0.2269



30.0810, 0.4194, 0.2749

Triad

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



30.0810, 0.3250, 0.2269



30.0810, 0.4430, 0.4622



30.0810, 0.1671, 0.2856

Complementary

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



30.0810, 0.3250, 0.2269



50.6558, 0.3022, 0.4585

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.



30.0810, 0.2078, 0.3834



30.0810, 0.3250, 0.2269



30.0810, 0.3663, 0.4997

Square

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



30.0810, 0.3250, 0.2269



30.0810, 0.4893, 0.3999



30.0810, 0.2803, 0.4742



30.0810, 0.1604, 0.2223

Rectangle

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



30.0810, 0.3250, 0.2269



30.0810, 0.4678, 0.3142



30.0810, 0.2803, 0.4742



30.0810, 0.1767, 0.3153

Sweetspot

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



30.0824, 0.3250, 0.2269



80.4845, 0.3158, 0.2991



20.9503, 0.2334, 0.1913



16.5925, 0.3164, 0.2940



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.



30.0824, 0.3250, 0.2269



40.6281, 0.3280, 0.2080



28.2100, 0.3789, 0.2783



11.9932, 0.3149, 0.3078



10.7492, 0.3405, 0.1649



0.6057, 0.3365, 0.1627

Inverse Universe

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



30.0824, 0.3250, 0.2269



40.6281, 0.3280, 0.2080



52.0874, 0.2752, 0.3877



11.9932, 0.3149, 0.3078



10.7492, 0.3405, 0.1649



0.6057, 0.3365, 0.1627

Previews

White Background



This preview shows how the Yxy color 30.0810, 0.3250, 0.2269 looks on a white background.

Color Contrast Check

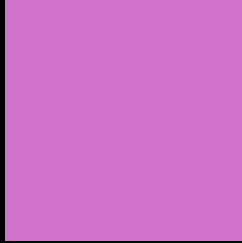
Large Text (above 18pt) WCAG AA × Fail

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 30.0810, 0.3250, 0.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

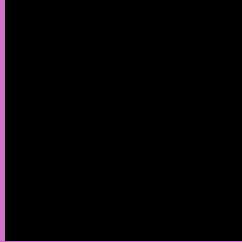
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0810, 0.3250, 0.2269

Background



This preview shows how black text looks on a background with the Yxy color 30.0810, 0.3250, 0.2269.



This preview shows how white text looks on a background with the Yxy color 30.0810, 0.3250, 0.2269.

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

30.0810, 0.3250, 0.2269

Protanopia

30.4784, 0.2307, 0.2184

Deuteranopia

30.3419, 0.2635, 0.2575



Tritanopia

29.9821, 0.3858, 0.3161

Trichromacy



Original Color

30.0810, 0.3250, 0.2269



Protanomaly

29.1622, 0.2576, 0.2180



Deuteranomaly

29.2977, 0.2830, 0.2426



Tritanomaly

29.8613, 0.3631, 0.2806

Monochromacy



Original Color

30.0810, 0.3250, 0.2269



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.2897, 0.3169, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0810, 0.3250, 0.2269 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, 115, 202)` looks like.

```
.text, #text, p{  
    color:rgb(209, 115, 202)  
}
```

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, 115, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 115, 202) }
```

Border

The CSS property to change the border of an element to Yxy 30.0810, 0.3250, 0.2269 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, 115, 202) }
```

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

```
.border{ border-color:rgb(209, 115, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 115, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 115, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 115, 202);  
box-shadow:4px 4px 4px 4px rgb(209, 115,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0810, 0.3250, 0.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 115, 202) }
```

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

```
.background{ background-color: rgb(209,  
115, 202) }
```

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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