

Converting Colors

$Y_{xy}(29.5893, 0.3213, 0.2013)$

Have a look what the booklet for
Yxy(29.5893, 0.3213, 0.2013)
contains.

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Color

Yxy(29.6010, 0.3208, 0.2014)

Conversions

Conversions Part 1

Format	Color
Hex	DD64DB
RGB	221, 100, 219
RGB Percent	87%, 39%, 86%
CMY	0.1335, 0.6077, 0.1413
CMYK	0.00, 0.55, 0.01, 0.13
HSL	301°, 64%, 63%
HSV	301°, 55%, 87%
XYZ	47.1500, 29.6010, 70.2252
YIQ	149.7450, 33.9170, 62.6610

Conversions

Conversions Part 2

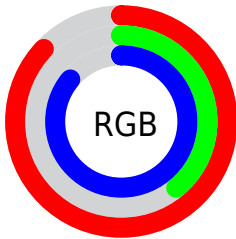
Format	Color
R _Y B	221, 100, 219
Decimal	14509275
CIE Lab	61.31, 62.58, -39.51
CIE LCh	61, 74.010, 327.735
Yxy	29.6010, 0.3208, 0.2014
Android (android.graphics.Color)	4292699355 (0xFFDD64DB)
YUV	149.7450, 34.1427, 62.4906
Hunter-Lab	54.4068, 59.4795, -38.4434

Details

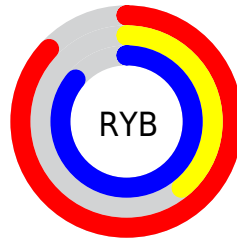
The Yxy color **29.6010, 0.3208, 0.2014** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **55.3647, 0.3036, 0.5016**, and the grayscale version is **30.2329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2569, 0.3172, 0.2329**, and **12.0527, 0.3187, 0.1700** is the 20% darker color. If you saturate the color by 10%, you get **25.9016, 0.3221, 0.1843**, and if you desaturate by 10%, it is **34.4524, 0.3194, 0.2218**.

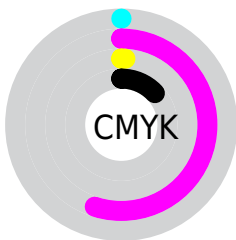
Distribution



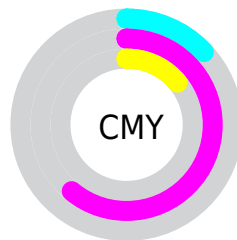
- Red (87%)
- Green (39%)
- Blue (86%)



- Red (87%)
- Yellow (39%)
- Blue (86%)



- Cyan (0%)
- Magenta (55%)
- Yellow (1%)
- Black (13%)





- Cyan (13%)
- Magenta (61%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6010, 0.3208, 0.2014 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 29.6010, 0.3208, 0.2014 by changing the saturation by 10% instead.


 29.6010, 0.3208,
0.2014


 29.6010, 0.3208,
0.2014


300.0402, 0.3193,
0.2618

 19.5359, 0.3204,
0.1876


 59.0306, 0.3209,
0.2224


 12.0582, 0.3194,
0.1707


 79.1639, 0.3207,
0.2306

 6.7833, 0.3175,
0.1496

 103.4221, 0.3205,
0.2376

 3.3270, 0.3135,
0.1230

 132.1896, 0.3203,
0.2437

 1.3047, 0.3053,
0.0894

165.8508, 0.3200,
0.2491

 0.1448, 0.2953,
0.0218

204.7900, 0.3198,

 0.0000, 0.2415,

0.2538

0.0000

249.3917, 0.3196,
0.2580

■ 0.0000, 0.0000,
0.0000

■ 29.6010, 0.3208,
0.2014

■ 29.6010, 0.3208,
0.2014

■ 25.9016, 0.3221,
0.1843

■ 34.4524, 0.3194,
0.2218

■ 23.2550, 0.3232,
0.1712

■ 40.5365, 0.3179,
0.2445

■ 21.5520, 0.3241,
0.1624

■ 47.9312, 0.3163,
0.2687

■ 20.6575, 0.3248,
0.1578

■ 56.7071, 0.3148,
0.2933

■ 20.3927, 0.3251,
0.1565

■ 66.9295, 0.3134,
0.3177

■ 78.6598, 0.3120,
0.3413

■ 91.9556, 0.3108,
0.3636

■ 92.1537, 0.3105,
0.3635

■ 92.1732, 0.3103,
0.3631

Harmonies

Analogous

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



29.6010, 0.2168, 0.1698



29.6010, 0.3208, 0.2014



29.6010, 0.4451, 0.2567

Triad

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



29.6010, 0.3208, 0.2014



29.6010, 0.4710, 0.4827



29.6010, 0.1346, 0.2730

Complementary

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



29.6010, 0.3208, 0.2014



55.3647, 0.3036, 0.5016

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.



29.6010, 0.1815, 0.4054



29.6010, 0.3208, 0.2014



29.6010, 0.3747, 0.5469

Square

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



29.6010, 0.3208, 0.2014



29.6010, 0.5336, 0.4012



29.6010, 0.2697, 0.5295



29.6010, 0.1275, 0.1958

Rectangle

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



29.6010, 0.3208, 0.2014



29.6010, 0.5099, 0.3017



29.6010, 0.2697, 0.5295



29.6010, 0.1453, 0.3119

Sweetspot

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



29.6023, 0.3208, 0.2014



76.6312, 0.3150, 0.2899



17.0537, 0.2072, 0.1545



15.8408, 0.3153, 0.2848



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.



29.6023, 0.3208, 0.2014



35.0706, 0.3223, 0.1816



27.0452, 0.3905, 0.2591



13.2710, 0.3140, 0.3063



11.8528, 0.3250, 0.1564



0.7691, 0.3243, 0.1560

Inverse Universe

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



29.6023, 0.3208, 0.2014



35.0706, 0.3223, 0.1816



56.9604, 0.2738, 0.4159



13.2710, 0.3140, 0.3063



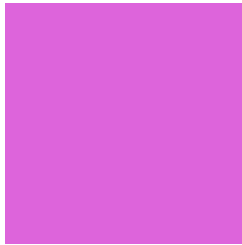
11.8528, 0.3250, 0.1564



0.7691, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 29.6010, 0.3208, 0.2014 looks on a white background.

Color Contrast Check

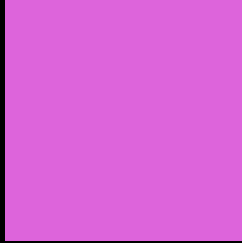
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6010, 0.3208, 0.2014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

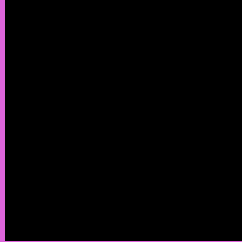
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6010, 0.3208, 0.2014

Background



This preview shows how black text looks on a background with the Yxy color 29.6010, 0.3208, 0.2014.

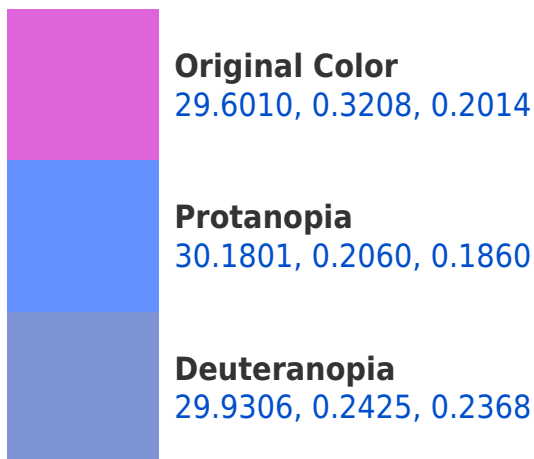


This preview shows how white text looks on a background with the Yxy color 29.6010, 0.3208, 0.2014.

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

29.5335, 0.4072, 0.3179

Trichromacy



Original Color

29.6010, 0.3208, 0.2014



Protanomaly

28.0406, 0.2343, 0.1857



Deuteranomaly

28.2939, 0.2659, 0.2174



Tritanomaly

29.2379, 0.3741, 0.2697

Monochromacy



Original Color

29.6010, 0.3208, 0.2014



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.8278, 0.3166, 0.2693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6010, 0.3208, 0.2014 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(221, 100, 219)` looks like.

```
.text, #text, p{  
    color:rgb(221, 100, 219)  
}
```

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(221, 100, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 100, 219) }
```

Border

The CSS property to change the border of an element to Yxy 29.6010, 0.3208, 0.2014 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(221, 100, 219) }
```

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

```
.border{ border-color:rgb(221, 100, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 100, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 100, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 100, 219);  
box-shadow:4px 4px 4px 4px rgb(221, 100,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6010, 0.3208, 0.2014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 100, 219) }
```

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

```
.background{ background-color: rgb(221,  
100, 219) }
```

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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