

Converting Colors

$Y_{xy}(31.3918, 0.3758, 0.2822)$

Have a look what the booklet for
Yxy(31.3918, 0.3758, 0.2822)
contains.

Yxy(31.2216, 0.3755, 0.2816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.2216, 0.3755, 0.2816)

Conversions

Conversions Part 1

Format	Color
Hex	D77BA2
RGB	215, 123, 162
RGB Percent	84%, 48%, 64%
CMY	0.1568, 0.5177, 0.3647
CMYK	0.00, 0.43, 0.25, 0.16
HSL	335°, 54%, 66%
HSV	335°, 43%, 84%
XYZ	41.6325, 31.2216, 38.0181
YIQ	154.9540, 42.3130, 31.6330

Conversions

Conversions Part 2

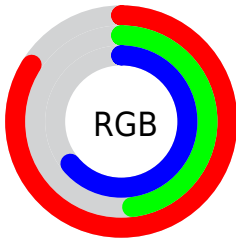
Format	Color
R _Y B	215, 123, 162
Decimal	14121890
CIE Lab	62.69, 40.52, -5.15
CIE LCh	63, 40.851, 352.752
Yxy	31.2216, 0.3755, 0.2816
Android (android.graphics.Color)	4292311970 (0xFFD77BA2)
YUV	154.9540, 3.4737, 52.6603
Hunter-Lab	55.8763, 35.2139, -1.2273

Details

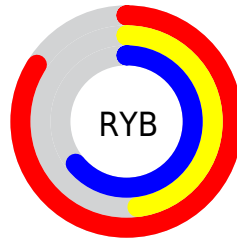
The Yxy color **31.2216, 0.3755, 0.2816** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **55.9536, 0.2761, 0.3832**, and the grayscale version is **32.7280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7140, 0.3469, 0.2881**, and **12.9014, 0.3968, 0.2671** is the 20% darker color. If you saturate the color by 10%, you get **26.0428, 0.3982, 0.2714**, and if you desaturate by 10%, it is **37.6182, 0.3562, 0.2928**.

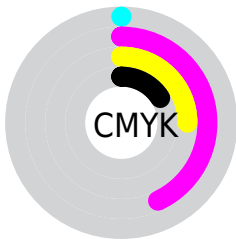
Distribution



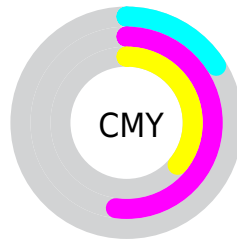
- Red (84%)
- Green (48%)
- Blue (64%)



- Red (84%)
- Yellow (48%)
- Blue (64%)



- Cyan (0%)
- Magenta (43%)
- Yellow (25%)
- Black (16%)





- Cyan (16%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2216, 0.3755, 0.2816 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 31.2216, 0.3755, 0.2816 by changing the saturation by 10% instead.

 31.2216, 0.3755,
0.2816


 31.2216, 0.3755,
0.2816


307.5579, 0.3424,
0.3062


 20.7676, 0.3843,
0.2752


 61.5888, 0.3631,
0.2907

 12.9543, 0.3960,
0.2668


 82.2708, 0.3585,
0.2941

 7.3971, 0.4122,
0.2554


 107.1310, 0.3547,
0.2969

 3.7116, 0.4360,
0.2389

136.5537, 0.3515,
0.2993

 1.5136, 0.4743,
0.2132

170.9234, 0.3488,
0.3014

 0.2983, 0.5787,
0.1278

210.6244, 0.3464,


 0.0000, 1.0000,


0.3032


0.0000


256.0411, 0.3443,
0.3048


 0.0000, 0.0000,
0.0000

 31.2216, 0.3755,
0.2816


 31.2216, 0.3755,
0.2816


 26.0428, 0.3982,
0.2714


 37.6182, 0.3562,
0.2928


 21.9985, 0.4240,
0.2633

 45.2997, 0.3400,
0.3043


 19.0021, 0.4523,
0.2584


 54.3338, 0.3265,
0.3155


 16.9521, 0.4819,
0.2582


 64.7819, 0.3154,
0.3261


 15.7265, 0.5107,
0.2632

 76.7017, 0.3063,
0.3361

 15.2073, 0.5304,
0.2695

 90.1479, 0.2989,
0.3453

 92.7906, 0.2922,
0.3354

 93.1893, 0.2889,
0.3289

Harmonies

Analogous

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



31.2216, 0.3089, 0.2469



31.2216, 0.3755, 0.2816



31.2216, 0.4268, 0.3274

Triad

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



31.2216, 0.3755, 0.2816



31.2216, 0.3687, 0.4476



31.2216, 0.1977, 0.2610

Complementary

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



31.2216, 0.3755, 0.2816



55.9536, 0.2761, 0.3832

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.



31.2216, 0.2098, 0.3142



31.2216, 0.3755, 0.2816



31.2216, 0.3057, 0.4352

Square

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



31.2216, 0.3755, 0.2816



31.2216, 0.4196, 0.4219



31.2216, 0.2478, 0.3819



31.2216, 0.2115, 0.2330

Rectangle

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



31.2216, 0.3755, 0.2816



31.2216, 0.4418, 0.3605



31.2216, 0.2478, 0.3819



31.2216, 0.1988, 0.2761

Sweetspot

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



31.2231, 0.3755, 0.2816



79.4735, 0.3269, 0.3151



28.2021, 0.2785, 0.2120



16.3419, 0.3297, 0.3127



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.



31.2231, 0.3755, 0.2816



39.2134, 0.3950, 0.2726



31.6141, 0.4206, 0.3369



12.5073, 0.3225, 0.3192



9.1147, 0.5266, 0.2675



0.5661, 0.4825, 0.2432

Inverse Universe

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



31.2231, 0.3755, 0.2816



39.2134, 0.3950, 0.2726



54.6598, 0.2535, 0.3207



12.5073, 0.3225, 0.3192



9.1147, 0.5266, 0.2675



0.5661, 0.4825, 0.2432

Previews

White Background



This preview shows how the Yxy color 31.2216, 0.3755, 0.2816 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 31.2216, 0.3755, 0.2816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

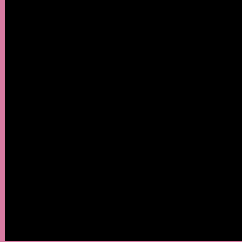
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2216, 0.3755, 0.2816

Background



This preview shows how black text looks on a background with the Yxy color 31.2216, 0.3755, 0.2816.



This preview shows how white text looks on a background with the Yxy color 31.2216, 0.3755, 0.2816.

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

31.2216, 0.3755, 0.2816

Protanopia

31.5395, 0.2824, 0.2859

Deuteranopia

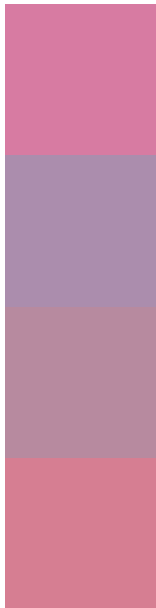
31.2286, 0.3197, 0.3128



Tritanopia

31.3906, 0.4020, 0.3180

Trichromacy



Original Color

31.2216, 0.3755, 0.2816

Protanomaly

30.7248, 0.3128, 0.2838

Deuteranomaly

30.7474, 0.3402, 0.2999

Tritanomaly

31.2932, 0.3929, 0.3045

Monochromacy



Original Color

31.2216, 0.3755, 0.2816

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.4607, 0.3339, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2216, 0.3755, 0.2816 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(215, 123, 162)` looks like.

```
.text, #text, p{  
    color:rgb(215, 123, 162)  
}
```

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(215, 123, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 123, 162) }
```

Border

The CSS property to change the border of an element to Yxy 31.2216, 0.3755, 0.2816 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(215, 123, 162) }
```

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

```
.border{ border-color:rgb(215, 123, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 123, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 123, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 123, 162);  
box-shadow:4px 4px 4px 4px rgb(215, 123,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2216, 0.3755, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 123, 162) }
```

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

```
.background{ background-color: rgb(215,  
123, 162) }
```

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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