

Converting Colors

$Y_{xy}(27.7697, 0.3218, 0.2154)$

Have a look what the booklet for
Yxy(27.7697, 0.3218, 0.2154)
contains.

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Color

Yxy(27.7417, 0.3213, 0.2154)

Conversions

Conversions Part 1

Format	Color
Hex	CE6ACB
RGB	206, 106, 203
RGB Percent	81%, 42%, 80%
CMY	0.1923, 0.5842, 0.2039
CMYK	0.00, 0.49, 0.01, 0.19
HSL	302°, 50%, 61%
HSV	302°, 49%, 81%
XYZ	41.3807, 27.7417, 59.6691
YIQ	146.9580, 28.4630, 51.3670

Conversions

Conversions Part 2

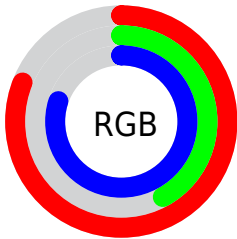
Format	Color
R _Y B	206, 106, 203
Decimal	13527755
CIE Lab	59.65, 52.86, -33.23
CIE LCh	60, 62.435, 327.846
Yxy	27.7417, 0.3213, 0.2154
Android (android.graphics.Color)	4291717835 (0xFFCE6ACB)
YUV	146.9580, 27.6287, 51.7798
Hunter-Lab	52.6704, 48.0661, -30.2991

Details

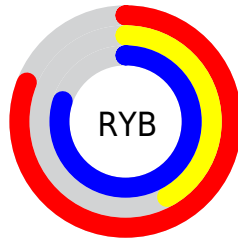
The Yxy color $27.7417, 0.3213, 0.2154$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $48.2999, 0.3039, 0.4771$, and the grayscale version is $29.0367, 0.3127, 0.3290$.

A 20% lighter version of the original color is $53.9697, 0.3170, 0.2375$, and $10.9837, 0.3210, 0.1859$ is the 20% darker color. If you saturate the color by 10%, you get $23.9650, 0.3231, 0.1963$, and if you desaturate by 10%, it is $32.5405, 0.3195, 0.2371$.

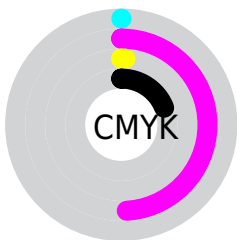
Distribution



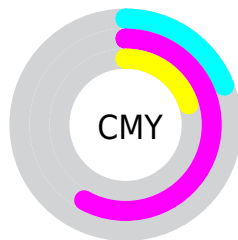
- Red (81%)
- Green (42%)
- Blue (80%)



- Red (81%)
- Yellow (42%)
- Blue (80%)



- Cyan (0%)
- Magenta (49%)
- Yellow (1%)
- Black (19%)




- Cyan (19%)
- Magenta (58%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7417, 0.3213, 0.2154 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 27.7417, 0.3213, 0.2154 by changing the saturation by 10% instead.

 27.7417, 0.3213,
0.2154


 27.7417, 0.3213,
0.2154


291.2306, 0.3189,
0.2708


 18.1310, 0.3213,
0.2022


 56.0718, 0.3209,
0.2351


 11.0441, 0.3208,
0.1857


 75.5600, 0.3206,
0.2426

 6.0965, 0.3196,
0.1647


 99.1095, 0.3203,
0.2491

 2.9039, 0.3166,
0.1372

 127.1048, 0.3200,
0.2546

 1.0817, 0.3095,
0.1008

159.9301, 0.3197,
0.2595

 0.0000, 0.3084,
0.0000

197.9699, 0.3194,

 0.0000, 0.1574,

0.2637

0.0000

241.6086, 0.3192,
0.2675

 0.0000, 0.0000,
0.0000

 27.7417, 0.3213,
0.2154


 27.7417, 0.3213,
0.2154

 23.9650, 0.3231,
0.1963


 32.5405, 0.3195,
0.2371

 21.1324, 0.3247,
0.1808


 38.4245, 0.3176,
0.2605


 19.1610, 0.3262,
0.1693


 45.4560, 0.3158,
0.2847


 17.9517, 0.3274,
0.1621


 53.6918, 0.3141,
0.3089


 17.3505, 0.3284,
0.1587


 63.1846, 0.3125,
0.3324

 17.2803, 0.3286,
0.1584

 73.9842, 0.3110,
0.3548

 86.1376, 0.3097,
0.3758

 89.1875, 0.3092,
0.3799

 89.2178, 0.3088,
0.3792

Harmonies

Analogous

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



27.7417, 0.2289, 0.1863



27.7417, 0.3213, 0.2154



27.7417, 0.4279, 0.2663

Triad

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



27.7417, 0.3213, 0.2154



27.7417, 0.4568, 0.4704



27.7417, 0.1539, 0.2825

Complementary

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



27.7417, 0.3213, 0.2154



48.2999, 0.3039, 0.4771

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.



27.7417, 0.1984, 0.3947



27.7417, 0.3213, 0.2154



27.7417, 0.3725, 0.5191

Square

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



27.7417, 0.3213, 0.2154



27.7417, 0.5085, 0.3999



27.7417, 0.2782, 0.4976



27.7417, 0.1462, 0.2123

Rectangle

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



27.7417, 0.3213, 0.2154



27.7417, 0.4837, 0.3080



27.7417, 0.2782, 0.4976



27.7417, 0.1644, 0.3163

Sweetspot

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



27.7429, 0.3213, 0.2154



77.9037, 0.3152, 0.2928



17.9372, 0.2221, 0.1775



16.0897, 0.3156, 0.2877



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.



27.7429, 0.3213, 0.2154



38.7355, 0.3231, 0.1960



25.7757, 0.3798, 0.2685



11.3978, 0.3142, 0.3068



10.6464, 0.3284, 0.1583



0.5511, 0.3269, 0.1574

Inverse Universe

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



27.7429, 0.3213, 0.2154



38.7355, 0.3231, 0.1960



49.6527, 0.2759, 0.4011



11.3978, 0.3142, 0.3068



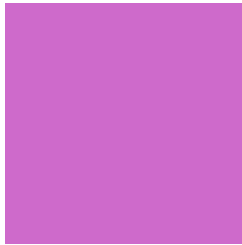
10.6464, 0.3284, 0.1583



0.5511, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 27.7417, 0.3213, 0.2154 looks on a white background.

Color Contrast Check

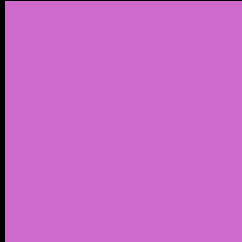
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7417, 0.3213, 0.2154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

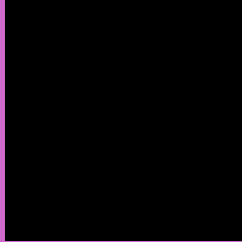
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7417, 0.3213, 0.2154

Background



This preview shows how black text looks on a background with the Yxy color 27.7417, 0.3213, 0.2154.

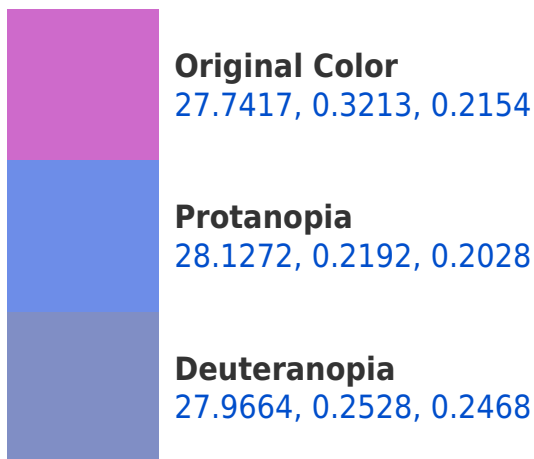


This preview shows how white text looks on a background with the Yxy color 27.7417, 0.3213, 0.2154.

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

27.7022, 0.3924, 0.3172

Trichromacy



Original Color

27.7417, 0.3213, 0.2154



Protanomaly

26.5881, 0.2469, 0.2034



Deuteranomaly

26.8920, 0.2740, 0.2312



Tritanomaly

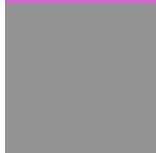
27.4706, 0.3651, 0.2759

Monochromacy



Original Color

27.7417, 0.3213, 0.2154



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.6174, 0.3162, 0.2783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7417, 0.3213, 0.2154 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(206, 106, 203)` looks like.

```
.text, #text, p{  
    color:rgb(206, 106, 203)  
}
```

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(206, 106, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 106, 203) }
```

Border

The CSS property to change the border of an element to Yxy 27.7417, 0.3213, 0.2154 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(206, 106, 203) }
```

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

```
.border{ border-color:rgb(206, 106, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 106, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 106, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 106, 203);  
box-shadow:4px 4px 4px 4px rgb(206, 106,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7417, 0.3213, 0.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 106, 203) }
```

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

```
.background{ background-color: rgb(206,  
106, 203) }
```

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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