

Converting Colors

$Y_{xy}(32.7863, 0.3178, 0.2216)$

Have a look what the booklet for
Yxy(32.7863, 0.3178, 0.2216)
contains.

Yxy(32.7863, 0.3178, 0.2216)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.7863, 0.3178, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	D778D7
RGB	215, 120, 215
RGB Percent	84%, 47%, 84%
CMY	0.1566, 0.5295, 0.1568
CMYK	0.00, 0.44, 0.00, 0.16
HSL	300°, 54%, 66%
HSV	300°, 44%, 84%
XYZ	47.0193, 32.7863, 68.1470
YIQ	159.2350, 26.1250, 49.6850

Conversions

Conversions Part 2

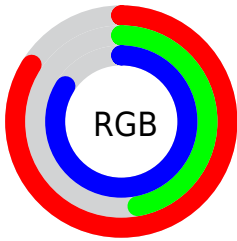
Format	Color
R _{YB}	215, 120, 215
Decimal	14121175
CIE Lab	63.99, 50.67, -33.17
CIE LCh	64, 60.559, 326.791
Yxy	32.7863, 0.3178, 0.2216
Android (android.graphics.Color)	4292311255 (0xFFD778D7)
YUV	159.2350, 27.4921, 48.9059
Hunter-Lab	57.2593, 46.3741, -30.4823

Details

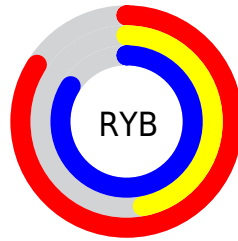
The Yxy color **32.7863, 0.3178, 0.2216** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **53.9763, 0.3062, 0.4663**, and the grayscale version is **34.6461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **13.8215, 0.3162, 0.1946** is the 20% darker color. If you saturate the color by 10%, you get **28.1841, 0.3188, 0.2009**, and if you desaturate by 10%, it is **38.5528, 0.3167, 0.2447**.

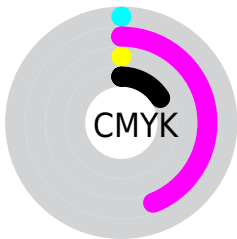
Distribution



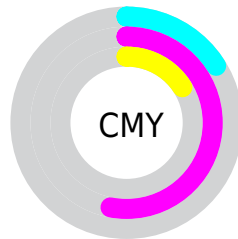
- Red (84%)
- Green (47%)
- Blue (84%)



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



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7863, 0.3178, 0.2216 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 32.7863, 0.3178, 0.2216 by changing the saturation by 10% instead.


 32.7863, 0.3178,
0.2216


 32.7863, 0.3178,
0.2216


314.6857, 0.3171,
0.2730


 21.9628, 0.3174,
0.2096


 64.0417, 0.3179,
0.2397

 13.8296, 0.3167,
0.1948


 85.2425, 0.3179,
0.2466

 8.0022, 0.3152,
0.1760


 110.6711, 0.3178,
0.2526

 4.0964, 0.3122,
0.1516

140.7119, 0.3176,
0.2578

 1.7276, 0.3059,
0.1193

175.7494, 0.3175,
0.2623

 0.4414, 0.2951,
0.0669

216.1679, 0.3174,

 0.0000, 0.2576,

0.2663

0.0000

262.3519, 0.3172,
0.2698

0.0000, 0.0000,
0.0000

32.7863, 0.3178,
0.2216

32.7863, 0.3178,
0.2216

28.1841, 0.3188,
0.2009

38.5528, 0.3167,
0.2447

24.6631, 0.3196,
0.1835

45.5506, 0.3155,
0.2691

22.1363, 0.3203,
0.1700


53.8469, 0.3144,
0.2941


20.5012, 0.3207,
0.1609


63.5027, 0.3132,
0.3188

19.6335, 0.3210,
0.1558

74.5751, 0.3121,
0.3427

 19.3594, 0.3210,
0.1542

 87.1181, 0.3110,
0.3652

 90.8859, 0.3107,
0.3712

 90.8865, 0.3107,
0.3712

 90.8870, 0.3107,
0.3712

Harmonies

Analogous

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



32.7863, 0.2328, 0.1949



32.7863, 0.3178, 0.2216



32.7863, 0.4155, 0.2692

Triad

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



32.7863, 0.3178, 0.2216



32.7863, 0.4507, 0.4605



32.7863, 0.1656, 0.2906

Complementary

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



32.7863, 0.3178, 0.2216



53.9763, 0.3062, 0.4663

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.



32.7863, 0.2095, 0.3932



32.7863, 0.3178, 0.2216



32.7863, 0.3735, 0.5033

Square

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



32.7863, 0.3178, 0.2216



32.7863, 0.4953, 0.3956



32.7863, 0.2854, 0.4838



32.7863, 0.1564, 0.2229

Rectangle

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



32.7863, 0.3178, 0.2216



32.7863, 0.4676, 0.3086



32.7863, 0.2854, 0.4838



32.7863, 0.1762, 0.3221

Sweetspot

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



32.7878, 0.3178, 0.2216



80.6419, 0.3142, 0.2968



22.3254, 0.2298, 0.1920



16.6319, 0.3145, 0.2913



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.



32.7878, 0.3178, 0.2216



41.8728, 0.3187, 0.2023



30.6899, 0.3697, 0.2716



12.6326, 0.3138, 0.3060



11.5726, 0.3210, 0.1542



0.6980, 0.3210, 0.1542

Inverse Universe

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



32.7878, 0.3178, 0.2216



41.8728, 0.3187, 0.2023



55.4289, 0.2792, 0.3960



12.6326, 0.3138, 0.3060



11.5726, 0.3210, 0.1542



0.6980, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 32.7863, 0.3178, 0.2216 looks on a white background.

Color Contrast Check

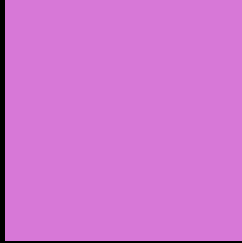
Large Text (above 18pt) WCAG AA × Fail

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 32.7863, 0.3178, 0.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

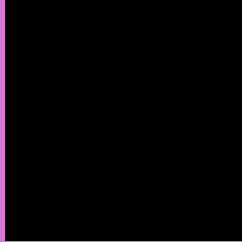
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7863, 0.3178, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 32.7863, 0.3178, 0.2216.



This preview shows how white text looks on a background with the Yxy color 32.7863, 0.3178, 0.2216.

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

32.7863, 0.3178, 0.2216

Protanopia

33.4042, 0.2259, 0.2120

Deuteranopia

33.0486, 0.2570, 0.2507



Tritanopia

32.8055, 0.3804, 0.3164

Trichromacy



Original Color

32.7863, 0.3178, 0.2216



Protanomaly

31.9439, 0.2516, 0.2126



Deuteranomaly

32.0777, 0.2765, 0.2370



Tritanomaly

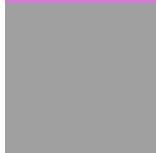
32.4608, 0.3567, 0.2782

Monochromacy



Original Color

32.7863, 0.3178, 0.2216



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

33.0892, 0.3149, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7863, 0.3178, 0.2216 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, 120, 215)` looks like.

```
.text, #text, p{  
    color:rgb(215, 120, 215)  
}
```

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, 120, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 120, 215) }
```

Border

The CSS property to change the border of an element to Yxy 32.7863, 0.3178, 0.2216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

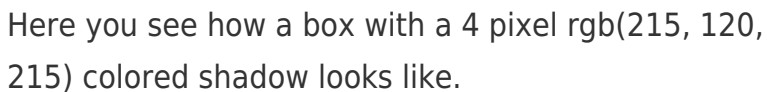
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 120, 215) }
```

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

```
.border{ border-color:rgb(215, 120, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 120, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 120, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 120, 215); box-shadow:4px 4px 4px 4px rgb(215, 120, 215) }
```


Background

The CSS property to change the background color of an element to `rgb(32.7863, 0.3178, 0.2216)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 120, 215) }
```

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

```
.background{ background-color: rgb(215,  
120, 215) }
```

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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