

Converting Colors

$Y_{xy}(12.0827, 0.3186, 0.2027)$

Have a look what the booklet for
Yxy(12.0827, 0.3186, 0.2027)
contains.

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Color

Yxy(12.0827, 0.3186, 0.2027)

Conversions

Conversions Part 1

Format	Color
Hex	924292
RGB	146, 66, 146
RGB Percent	57%, 26%, 57%
CMY	0.4275, 0.7412, 0.4274
CMYK	0.00, 0.55, 0.00, 0.43
HSL	300°, 38%, 42%
HSV	300°, 55%, 57%
XYZ	18.9914, 12.0827, 28.5347
YIQ	99.0400, 22.0000, 41.8400

Conversions

Conversions Part 2

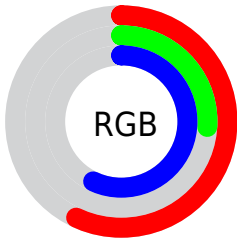
Format	Color
R _Y B	146, 66, 146
Decimal	9585298
CIE Lab	41.35, 45.12, -29.11
CIE LCh	41, 53.699, 327.170
Yxy	12.0827, 0.3186, 0.2027
Android (android.graphics.Color)	4287775378 (0xFF924292)
YUV	99.0400, 23.1513, 41.1839
Hunter-Lab	34.7602, 36.6939, -24.3392

Details

The Yxy color **12.0827, 0.3186, 0.2027** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **22.1176, 0.3048, 0.4988**, and the grayscale version is **12.4248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6836, 0.3195, 0.2299**, and **3.3488, 0.3158, 0.1584** is the 20% darker color. If you saturate the color by 10%, you get **10.5889, 0.3194, 0.1854**, and if you desaturate by 10%, it is **14.0132, 0.3177, 0.2230**.

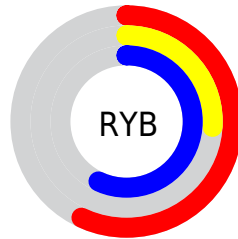
Distribution



Red (57%)

Green (26%)

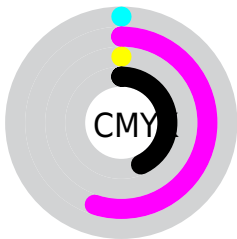
Blue (57%)



Red (57%)

Yellow (26%)

Blue (57%)

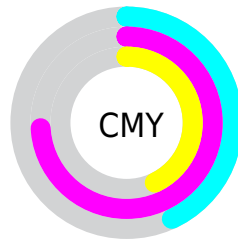


Cyan (0%)

Magenta (55%)

Yellow (0%)

Black (43%)



Cyan (43%)


Magenta (74%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0827, 0.3186, 0.2027 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 12.0827, 0.3186, 0.2027 by changing the saturation by 10% instead.


 12.0827, 0.3186,
0.2027

 12.0827, 0.3186,
0.2027


204.9520, 0.3177,
0.2721


 6.8000, 0.3176,
0.1835


 29.6456, 0.3190,
0.2294


 3.3374, 0.3152,
0.1580


 42.6947, 0.3189,
0.2389


 1.3103, 0.3095,
0.1231

 59.1013, 0.3188,
0.2469

 0.1491, 0.3078,
0.0350

 79.2499, 0.3186,
0.2535

 0.0000, 0.1614,
0.0000

 103.5249, 0.3184,
0.2592

 0.0000, 0.0000,
0.0000

132.3107, 0.3181,

0.2641

165.9916, 0.3179,
0.2683

■ 12.0827, 0.3186,
0.2027

■ 12.0827, 0.3186,
0.2027

■ 10.5889, 0.3194,
0.1854

■ 14.0132, 0.3177,
0.2230

■ 9.4963, 0.3200,
0.1717

■ 16.4091, 0.3166,
0.2456

■ 8.7666, 0.3205,
0.1621

■ 19.2985, 0.3155,
0.2694

■ 8.3497, 0.3207,
0.1564

■ 22.7069, 0.3144,
0.2937

■ 8.1846, 0.3208,
0.1541

■ 26.6579, 0.3132,
0.3177

■ 31.1737, 0.3122,
0.3410

■ 36.2755, 0.3111,
0.3630

■ 41.9830, 0.3102,
0.3836

■ 48.3152, 0.3093,
0.4026

Harmonies

Analogous

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



12.0827, 0.2171, 0.1720



12.0827, 0.3186, 0.2027



12.0827, 0.4402, 0.2569

Triad

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



12.0827, 0.3186, 0.2027



12.0827, 0.4705, 0.4795



12.0827, 0.1380, 0.2766

Complementary

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



12.0827, 0.3186, 0.2027



22.1176, 0.3048, 0.4988

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.



12.0827, 0.1855, 0.4065



12.0827, 0.3186, 0.2027



12.0827, 0.3765, 0.5420

Square

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



12.0827, 0.3186, 0.2027



12.0827, 0.5305, 0.3996



12.0827, 0.2730, 0.5259



12.0827, 0.1301, 0.1994

Rectangle

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



12.0827, 0.3186, 0.2027



12.0827, 0.5044, 0.3014



12.0827, 0.2730, 0.5259



12.0827, 0.1490, 0.3151

Sweetspot

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



12.0832, 0.3186, 0.2027



39.0677, 0.3145, 0.2900



7.2886, 0.2109, 0.1625



8.4398, 0.3147, 0.2856



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.0832, 0.3186, 0.2027



18.1208, 0.3196, 0.1816



11.0785, 0.3847, 0.2586



5.9091, 0.3137, 0.3072



7.2000, 0.3208, 0.1541



0.0882, 0.3209, 0.1541

Inverse Universe

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



10.4034, 0.4683, 0.3294



14.8376, 0.5261, 0.3296



22.7366, 0.2755, 0.4159



5.8154, 0.3282, 0.3290



5.3778, 0.6400, 0.3299



0.0658, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 12.0827, 0.3186, 0.2027 looks on a white 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

Black Background



This preview shows how the Yxy color 12.0827, 0.3186, 0.2027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

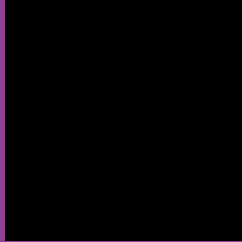
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0827, 0.3186, 0.2027

Background



This preview shows how black text looks on a background with the Yxy color 12.0827, 0.3186, 0.2027.



This preview shows how white text looks on a background with the Yxy color 12.0827, 0.3186, 0.2027.

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

12.0827, 0.3186, 0.2027

Protanopia

12.4011, 0.2048, 0.1857

Deuteranopia

12.2663, 0.2428, 0.2371



Tritanopia

12.0619, 0.4039, 0.3182

Trichromacy



Original Color

12.0827, 0.3186, 0.2027

Protanomaly

11.4685, 0.2320, 0.1851

Deuteranomaly

11.6420, 0.2650, 0.2187

Tritanomaly

12.0024, 0.3731, 0.2722

Monochromacy



Original Color

12.0827, 0.3186, 0.2027

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.7903, 0.3155, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0827, 0.3186, 0.2027 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(146, 66, 146)` looks like.

```
.text, #text, p{  
    color:rgb(146, 66, 146)  
}
```

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(146, 66, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 66, 146) }
```

Border

The CSS property to change the border of an element to Yxy 12.0827, 0.3186, 0.2027 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(146, 66, 146) }
```

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

```
.border{ border-color:rgb(146, 66, 146) }
```

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

Here you see how a box with a 4 pixel rgb(146, 66, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 66, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 66, 146);  
box-shadow:4px 4px 4px 4px rgb(146, 66,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0827, 0.3186, 0.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 66, 146) }
```

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

```
.background{ background-color: rgb(146, 66,  
146) }
```

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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