

Converting Colors

$Y_{xy}(12.1042, 0.4549, 0.2600)$

Have a look what the booklet for
Yxy(12.1042, 0.4549, 0.2600)
contains.

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Color

Yxy(12.1042, 0.4549, 0.2600)

Conversions

Conversions Part 1

Format	Color
Hex	B02E64
RGB	176, 46, 100
RGB Percent	69%, 18%, 39%
CMY	0.3099, 0.8194, 0.6079
CMYK	0.00, 0.74, 0.43, 0.31
HSL	335°, 59%, 44%
HSV	335°, 74%, 69%
XYZ	21.1777, 12.1042, 13.2727
YIQ	91.0260, 60.1460, 44.3540

Conversions

Conversions Part 2

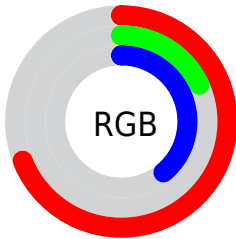
Format	Color
R_{YB}	176, 46, 100
Decimal	11546212
CIE Lab	41.38, 55.79, -0.23
CIE LCh	41, 55.789, 359.761
Yxy	12.1042, 0.4549, 0.2600
Android (android.graphics.Color)	4289736292 (0xFFB02E64)
YUV	91.0260, 4.4242, 74.5222
Hunter-Lab	34.7911, 47.7704, 1.7348

Details

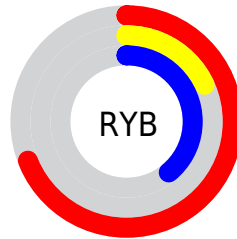
The Yxy color **12.1042, 0.4549, 0.2600** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **33.0305, 0.2621, 0.4293**, and the grayscale version is **10.4515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7677, 0.4191, 0.2770**, and **4.1179, 0.5051, 0.2556** is the 20% darker color. If you saturate the color by 10%, you get **10.8124, 0.4846, 0.2599**, and if you desaturate by 10%, it is **13.9860, 0.4264, 0.2645**.

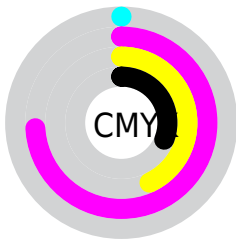
Distribution



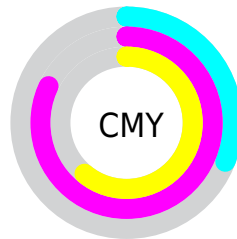
- Red (69%)
- Green (18%)
- Blue (39%)



- Red (69%)
- Yellow (18%)
- Blue (39%)



- Cyan (0%)
- Magenta (74%)
- Yellow (43%)
- Black (31%)





- Cyan (31%)
- Magenta (82%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1042, 0.4549, 0.2600 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 12.1042, 0.4549, 0.2600 by changing the saturation by 10% instead.


 12.1042, 0.4549,
0.2600

 12.1042, 0.4549,
0.2600


205.0939, 0.3690,
0.3016


 6.8147, 0.4832,
0.2463


 29.6847, 0.4192,
0.2773


 3.3465, 0.5247,
0.2263

 42.7446, 0.4072,
0.2831

 1.3152, 0.5905,
0.1945

 59.1633, 0.3977,
0.2877

 0.1529, 0.8349,
0.0752

 79.3252, 0.3898,
0.2915

 0.0000, 1.0000,
0.0000

 103.6149, 0.3833,
0.2947

 0.0000, 0.0000,
0.0000

 132.4166, 0.3778,

0.2974

166.1148, 0.3731,
0.2996

■ 12.1042, 0.4549,
0.2600

■ 12.1042, 0.4549,
0.2600

■ 10.8124, 0.4846,
0.2599

■ 13.9860, 0.4264,
0.2645

■ 10.0339, 0.5135,
0.2650

■ 16.5181, 0.4003,
0.2723

■ 9.7095, 0.5308,
0.2698

■ 19.7555, 0.3774,
0.2821

■ 23.7467, 0.3579,
0.2929

■ 28.5359, 0.3414,
0.3040

■ 34.1639, 0.3278,
0.3148

■ 40.6686, 0.3165,
0.3252

■ 48.0857, 0.3072,
0.3349

■ 56.4487, 0.2996,
0.3439

Harmonies

Analogous

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



12.1042, 0.3291, 0.2030



12.1042, 0.4549, 0.2600



12.1042, 0.5361, 0.3298

Triad

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



12.1042, 0.4549, 0.2600



12.1042, 0.3677, 0.5523



12.1042, 0.1262, 0.1907

Complementary

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



12.1042, 0.4549, 0.2600



33.0305, 0.2621, 0.4293

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.



12.1042, 0.1309, 0.2647



12.1042, 0.4549, 0.2600



12.1042, 0.2617, 0.5275

Square

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



12.1042, 0.4549, 0.2600



12.1042, 0.4664, 0.4894



12.1042, 0.1750, 0.3964



12.1042, 0.1551, 0.1636

Rectangle

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



12.1042, 0.4549, 0.2600



12.1042, 0.5434, 0.3801



12.1042, 0.1750, 0.3964



12.1042, 0.1240, 0.2092

Sweetspot

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



12.1049, 0.4549, 0.2600



53.1533, 0.3393, 0.3056



9.2170, 0.2473, 0.1356



10.9802, 0.3432, 0.3027



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.1049, 0.4549, 0.2600



18.5728, 0.5042, 0.2628



12.3388, 0.5497, 0.3417



8.5618, 0.3224, 0.3196



7.1370, 0.5281, 0.2683



0.2363, 0.4565, 0.2288

Inverse Universe

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



12.1049, 0.4549, 0.2600



18.5728, 0.5042, 0.2628



30.6805, 0.2269, 0.3101



8.5618, 0.3224, 0.3196



7.1370, 0.5281, 0.2683



0.2363, 0.4565, 0.2288

Previews

White Background



This preview shows how the Yxy color 12.1042, 0.4549, 0.2600 looks on a white background.

Color Contrast Check

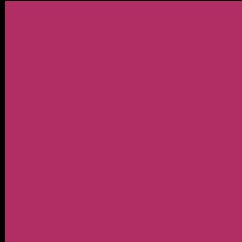
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1042, 0.4549, 0.2600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

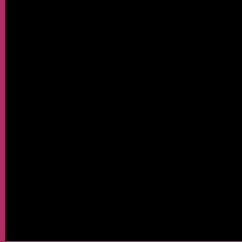
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1042, 0.4549, 0.2600

Background



This preview shows how black text looks on a background with the Yxy color 12.1042, 0.4549, 0.2600.



This preview shows how white text looks on a background with the Yxy color 12.1042, 0.4549, 0.2600.

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

12.1042, 0.4549, 0.2600

Protanopia

12.3119, 0.2603, 0.2565

Deuteranopia

12.3076, 0.3376, 0.3313



Tritanopia

12.0284, 0.5267, 0.3260

Trichromacy



Original Color

12.1042, 0.4549, 0.2600

Protanomaly

10.8698, 0.3182, 0.2470

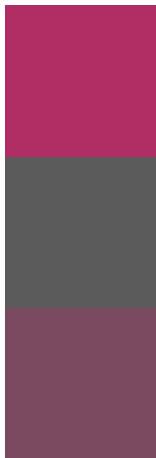
Deuteranomaly

11.2206, 0.3813, 0.2931

Tritanomaly

11.9491, 0.5030, 0.3017

Monochromacy



Original Color

12.1042, 0.4549, 0.2600

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

9.9779, 0.3653, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1042, 0.4549, 0.2600 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(176, 46, 100)` looks like.

```
.text, #text, p{  
    color:rgb(176, 46, 100)  
}
```

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(176, 46, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 46, 100) }
```

Border

The CSS property to change the border of an element to Yxy 12.1042, 0.4549, 0.2600 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(176, 46, 100) }
```

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

```
.border{ border-color:rgb(176, 46, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 46, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 46, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 46, 100);  
box-shadow:4px 4px 4px 4px rgb(176, 46,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1042, 0.4549, 0.2600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 46, 100) }
```

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

```
.background{ background-color: rgb(176, 46,  
100) }
```

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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