

Converting Colors

$Y_{xy}(12.9298, 0.2924, 0.4771)$

Have a look what the booklet for
Yxy(12.9298, 0.2924, 0.4771)
contains.

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Color

Yxy(12.9312, 0.2930, 0.4775)

Conversions

Conversions Part 1

Format	Color
Hex	2E723B
RGB	46, 114, 59
RGB Percent	18%, 45%, 23%
CMY	0.8194, 0.5529, 0.7686
CMYK	0.60, 0.00, 0.48, 0.55
HSL	131°, 42%, 31%
HSV	131°, 60%, 45%
XYZ	7.9347, 12.9312, 6.2151
YIQ	87.3980, -22.8730, -31.5210

Conversions

Conversions Part 2

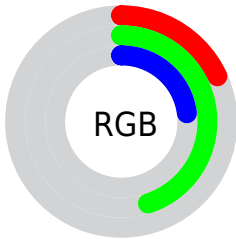
Format	Color
R_{YB}	46, 103, 114
Decimal	3043899
CIE _{Lab}	42.66, -34.32, 24.13
CIE _{LCh}	43, 41.952, 144.886
Yxy	12.9312, 0.2930, 0.4775
Android (android.graphics.Color)	4281233979 (0xFF2E723B)
YUV	87.3980, -14.0002, -36.3060
Hunter-Lab	35.9600, -23.5431, 14.9247

Details

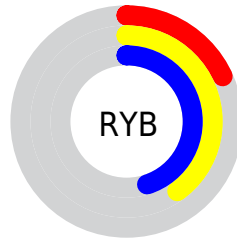
The Yxy color **12.9312, 0.2930, 0.4775** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.4749, 0.3449, 0.2175**, and the grayscale version is **9.6583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3516, 0.3011, 0.4367**, and **3.8123, 0.2884, 0.5582** is the 20% darker color. If you saturate the color by 10%, you get **12.6136, 0.2916, 0.5060**, and if you desaturate by 10%, it is **13.3372, 0.2953, 0.4486**.

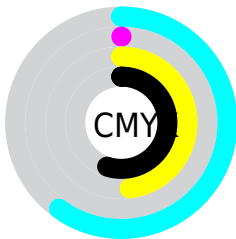
Distribution



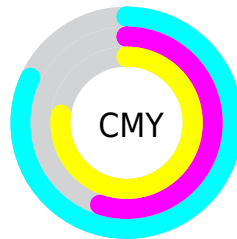
- Red (18%)
- Green (45%)
- Blue (23%)



- Red (18%)
- Yellow (40%)
- Blue (45%)



- Cyan (60%)
- Magenta (0%)
- Yellow (48%)
- Black (55%)




- Cyan (82%)
- Magenta (55%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9312, 0.2930, 0.4775 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 12.9312, 0.2930, 0.4775 by changing the saturation by 10% instead.


 12.9312, 0.2930,
0.4775


 12.9312, 0.2930,
0.4775


210.4763, 0.3081,
0.3824


 7.3812, 0.2852,
0.5129


 31.1801, 0.3007,
0.4357


 3.7016, 0.2706,
0.5686

 44.6478, 0.3028,
0.4225

 1.5081, 0.2469,
0.7531

 61.5236, 0.3043,
0.4121

 0.2944, 0.0000,
1.0000

 82.1917, 0.3055,
0.4038

 0.0000, 0.0000,
0.0000

 107.0366, 0.3064,
0.3970

 136.4428, 0.3071,

0.3913

170.7945, 0.3077,
0.3865

■ 12.9312, 0.2930,
0.4775

■ 12.9312, 0.2930,
0.4775

■ 12.6136, 0.2916,
0.5060

■ 13.3372, 0.2953,
0.4486

■ 12.3761, 0.2913,
0.5327

■ 13.8358, 0.2983,
0.4204

■ 12.2118, 0.2922,
0.5559

■ 14.4330, 0.3017,
0.3939

■ 12.0953, 0.2932,
0.5750

■ 15.1338, 0.3054,
0.3696

■ 12.0911, 0.2932,
0.5756

■ 15.9427, 0.3091,
0.3478

■ 16.8642, 0.3129,
0.3283

■ 17.9023, 0.3165,
0.3111

■ 19.0610, 0.3199,
0.2961

■ 20.3439, 0.3232,
0.2830

Harmonies

Analogous

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



12.9312, 0.3770, 0.4928



12.9312, 0.2930, 0.4775



12.9312, 0.2189, 0.3960

Triad

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



12.9312, 0.2930, 0.4775



12.9312, 0.1825, 0.2007



12.9312, 0.4731, 0.3268

Complementary

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



12.9312, 0.2930, 0.4775



6.4749, 0.3449, 0.2175

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.



12.9312, 0.4045, 0.2690



12.9312, 0.2930, 0.4775



12.9312, 0.2327, 0.1999

Square

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



12.9312, 0.2930, 0.4775



12.9312, 0.1629, 0.2315



12.9312, 0.3121, 0.2241



12.9312, 0.4874, 0.3901

Rectangle

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



12.9312, 0.2930, 0.4775



12.9312, 0.1852, 0.3292



12.9312, 0.3121, 0.2241



12.9312, 0.4553, 0.3066

Sweetspot

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



12.9317, 0.2930, 0.4775



26.7490, 0.3058, 0.3670



15.0297, 0.3751, 0.4722



6.1155, 0.3049, 0.3723



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.9317, 0.2930, 0.4775



21.9731, 0.2914, 0.5177



13.3971, 0.2612, 0.3846



3.7727, 0.3094, 0.3465



13.4582, 0.2934, 0.5764



66.9424, 0.2955, 0.5838

Inverse Universe

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



6.4749, 0.3449, 0.2175



9.4490, 0.3549, 0.1988



5.9465, 0.4267, 0.2836



3.4431, 0.3163, 0.3121



4.8454, 0.3736, 0.1832



24.0168, 0.3771, 0.1851

Previews

White Background



This preview shows how the Yxy color 12.9312, 0.2930, 0.4775 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 12.9312, 0.2930, 0.4775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

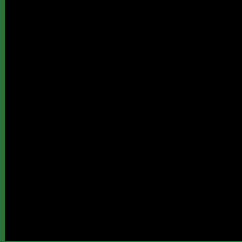
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9312, 0.2930, 0.4775

Background



This preview shows how black text looks on a background with the Yxy color 12.9312, 0.2930, 0.4775.



This preview shows how white text looks on a background with the Yxy color 12.9312, 0.2930, 0.4775.

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

12.9312, 0.2930, 0.4775

Protanopia

12.6957, 0.3927, 0.4278

Deuteranopia

12.8009, 0.4007, 0.3947



Tritanopia

12.9782, 0.2492, 0.3098

Trichromacy



Original Color

12.9312, 0.2930, 0.4775

Protanomaly

12.4149, 0.3496, 0.4476

Deuteranomaly

12.4280, 0.3543, 0.4260

Tritanomaly

12.8188, 0.2657, 0.3673

Monochromacy



Original Color

12.9312, 0.2930, 0.4775

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.4629, 0.3029, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9312, 0.2930, 0.4775 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(46, 114, 59)` looks like.

```
.text, #text, p{  
    color:rgb(46, 114, 59)  
}
```

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(46, 114, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 114, 59) }
```

Border

The CSS property to change the border of an element to Yxy 12.9312, 0.2930, 0.4775 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(46, 114, 59) }
```

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

```
.border{ border-color:rgb(46, 114, 59) }
```

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

Here you see how a box with a 4 pixel rgb(46, 114, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 114, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 114, 59);  
box-shadow:4px 4px 4px 4px rgb(46, 114,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9312, 0.2930, 0.4775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 114, 59) }
```

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

```
.background{ background-color: rgb(46, 114,  
59) }
```

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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