

Converting Colors

$Yxy(24.2782, 0.2905, 0.5024)$

Have a look what the booklet for
Yxy(24.2782, 0.2905, 0.5024)
contains.

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Color

$\text{Yxy}(24.2572, 0.2903, 0.5015)$

Conversions

Conversions Part 1

Format	Color
Hex	329A48
RGB	50, 154, 72
RGB Percent	20%, 60%, 28%
CMY	0.8038, 0.3961, 0.7177
CMYK	0.68, 0.00, 0.53, 0.40
HSL	133°, 51%, 40%
HSV	133°, 68%, 60%
XYZ	14.0416, 24.2572, 10.0705
YIQ	113.5560, -35.6620, -47.5500

Conversions

Conversions Part 2

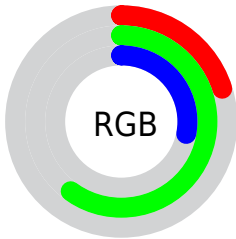
Format	Color
RYB	50, 136, 154
Decimal	3316296
CIELab	56.34, -47.51, 34.28
CIELCh	56, 58.589, 144.184
Yxy	24.2572, 0.2903, 0.5015
Android (android.graphics.Color)	4281506376 (0xFF329A48)
YUV	113.5560, -20.4871, -55.7386
Hunter-Lab	49.2516, -35.3000, 22.3531

Details

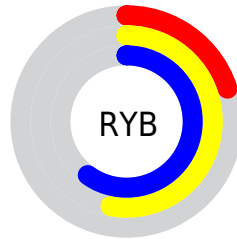
The Yxy color **24.2572, 0.2903, 0.5015** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.8217, 0.3556, 0.2065**, and the grayscale version is **16.7608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2573, 0.2985, 0.4599**, and **9.5687, 0.2903, 0.5650** is the 20% darker color. If you saturate the color by 10%, you get **23.7870, 0.2900, 0.5287**, and if you desaturate by 10%, it is **24.8924, 0.2918, 0.4726**.

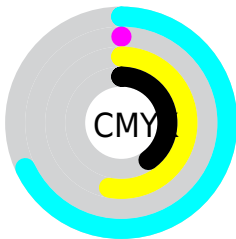
Distribution



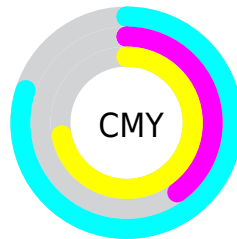
- Red (20%)
- Green (60%)
- Blue (28%)



- Red (20%)
- Yellow (53%)
- Blue (60%)



- Cyan (68%)
- Magenta (0%)
- Yellow (53%)
- Black (40%)




- Cyan (80%)
- Magenta (40%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2572, 0.2903, 0.5015 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 24.2572, 0.2903, 0.5015 by changing the saturation by 10% instead.


 24.2572, 0.2903,
0.5015


 24.2572, 0.2903,
0.5015


274.1182, 0.3072,
0.3991


 15.5245, 0.2829,
0.5336


 50.4496, 0.2984,
0.4597


 9.1883, 0.2707,
0.5790


 68.6781, 0.3008,
0.4455


 4.8642, 0.2490,
0.6474

 90.8407, 0.3026,
0.4340

 2.1678, 0.2053,
0.7947

 117.3217, 0.3040,
0.4245

 0.7024, 0.0000,
1.0000

 148.5055, 0.3051,
0.4166

 0.0000, 0.0000,
0.0000

184.7767, 0.3059,

0.4099

226.5194, 0.3066,
0.4041

■ 24.2572, 0.2903,
0.5015

■ 24.2572, 0.2903,
0.5015

■ 23.7870, 0.2900,
0.5287

■ 24.8924, 0.2918,
0.4726

■ 23.4631, 0.2910,
0.5526

■ 25.7033, 0.2943,
0.4435

■ 23.2608, 0.2930,
0.5719

■ 26.7030, 0.2976,
0.4153

■ 23.2186, 0.2934,
0.5761

■ 27.9026, 0.3014,
0.3890

■ 29.3123, 0.3055,
0.3650

■ 30.9415, 0.3096,
0.3435

■ 32.7992, 0.3137,
0.3245

■ 34.8938, 0.3177,
0.3078

■ 37.2334, 0.3215,
0.2932

Harmonies

Analogous

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



24.2572, 0.3832, 0.5126



24.2572, 0.2903, 0.5015



24.2572, 0.2084, 0.4079

Triad

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



24.2572, 0.2903, 0.5015



24.2572, 0.1681, 0.1874



24.2572, 0.4926, 0.3225

Complementary

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



24.2572, 0.2903, 0.5015



10.8217, 0.3556, 0.2065

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.



24.2572, 0.4138, 0.2603



24.2572, 0.2903, 0.5015



24.2572, 0.2215, 0.1865

Square

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



24.2572, 0.2903, 0.5015



24.2572, 0.1477, 0.2204



24.2572, 0.3088, 0.2123



24.2572, 0.5081, 0.3909

Rectangle

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



24.2572, 0.2903, 0.5015



24.2572, 0.1716, 0.3301



24.2572, 0.3088, 0.2123



24.2572, 0.4723, 0.3008

Sweetspot

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



24.2582, 0.2903, 0.5015



52.4668, 0.3043, 0.3717



28.3455, 0.3796, 0.4927



11.7220, 0.3032, 0.3780



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



24.2582, 0.2903, 0.5015



42.8782, 0.2904, 0.5414



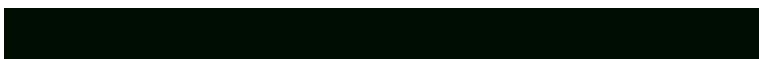
25.2158, 0.2555, 0.3920



6.9459, 0.3089, 0.3470



18.9211, 0.2930, 0.5749



0.2874, 0.2740, 0.5064

Inverse Universe

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



10.8217, 0.3556, 0.2065



16.6738, 0.3680, 0.1924



9.7519, 0.4616, 0.2820



6.3013, 0.3168, 0.3116



6.7369, 0.3812, 0.1874



0.1057, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 24.2572, 0.2903, 0.5015 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 24.2572, 0.2903, 0.5015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

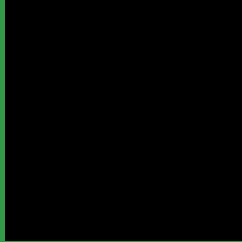
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2572, 0.2903, 0.5015

Background



This preview shows how black text looks on a background with the Yxy color 24.2572, 0.2903, 0.5015.



This preview shows how white text looks on a background with the Yxy color 24.2572, 0.2903, 0.5015.

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

24.2572, 0.2903, 0.5015

Protanopia

23.7277, 0.4028, 0.4406

Deuteranopia

23.7894, 0.4126, 0.4050



Tritanopia

24.2216, 0.2430, 0.3067

Trichromacy



Original Color

24.2572, 0.2903, 0.5015



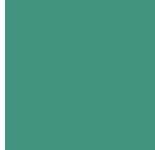
Protanomaly

22.9119, 0.3510, 0.4662



Deuteranomaly

22.5507, 0.3580, 0.4417



Tritanomaly

23.8795, 0.2604, 0.3730

Monochromacy



Original Color

24.2572, 0.2903, 0.5015



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

18.8255, 0.3008, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2572, 0.2903, 0.5015 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(50, 154, 72)` looks like.

```
.text, #text, p{  
    color:rgb(50, 154, 72)  
}
```

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(50, 154, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 154, 72) }
```

Border

The CSS property to change the border of an element to Yxy 24.2572, 0.2903, 0.5015 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(50, 154, 72) }
```

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

```
.border{ border-color:rgb(50, 154, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 154, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 154, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 154, 72);  
box-shadow:4px 4px 4px 4px rgb(50, 154,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2572, 0.2903, 0.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 154, 72) }
```

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

```
.background{ background-color: rgb(50, 154,  
72) }
```

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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