

Converting Colors

$Y_{xy}(27.2812, 0.2972, 0.4061)$

Have a look what the booklet for
Yxy(27.2812, 0.2972, 0.4061)
contains.

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Color

$Y_{xy}(27.3443, 0.2972, 0.4072)$

Conversions

Conversions Part 1

Format	Color
Hex	649B71
RGB	100, 155, 113
RGB Percent	39%, 61%, 44%
CMY	0.6078, 0.3921, 0.5568
CMYK	0.35, 0.00, 0.27, 0.39
HSL	134°, 22%, 50%
HSV	134°, 35%, 61%
XYZ	19.9576, 27.3443, 19.8501
YIQ	133.7670, -19.2980, -24.7220

Conversions

Conversions Part 2

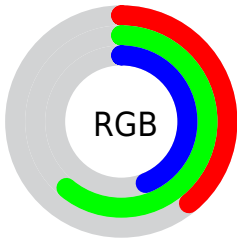
Format	Color
RYB	100, 144, 155
Decimal	6593393
CIELab	59.29, -27.35, 16.41
CIELCh	59, 31.893, 149.037
Yxy	27.3443, 0.2972, 0.4072
Android (android.graphics.Color)	4284783473 (0xFF649B71)
YUV	133.7670, -10.2381, -29.6137
Hunter-Lab	52.2918, -23.3846, 14.0976

Details

The Yxy color $27.3443, 0.2972, 0.4072$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.0360, 0.3334, 0.2619$, and the grayscale version is $23.7943, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.5821, 0.3013, 0.3897$, and $10.7603, 0.2896, 0.4377$ is the 20% darker color. If you saturate the color by 10%, you get $26.2946, 0.2936, 0.4341$, and if you desaturate by 10%, it is $28.5992, 0.3013, 0.3822$.

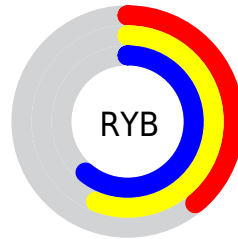
Distribution



Red (39%)

Green (61%)

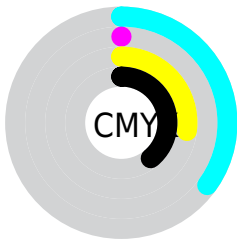
Blue (44%)



Red (39%)

Yellow (56%)

Blue (61%)

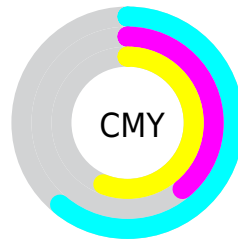


Cyan (35%)

Magenta (0%)

Yellow (27%)

Black (39%)



Cyan (61%)


Magenta (39%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3443, 0.2972, 0.4072 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 27.3443, 0.2972, 0.4072 by changing the saturation by 10% instead.


 27.3443, 0.2972,
0.4072


 27.3443, 0.2972,
0.4072


289.3203, 0.3066,
0.3628


 17.8320, 0.2941,
0.4205


 55.4359, 0.3011,
0.3895


 10.8294, 0.2896,
0.4391


 74.7839, 0.3024,
0.3834

 5.9522, 0.2823,
0.4671

 98.1793, 0.3035,
0.3784

 2.8161, 0.2692,
0.5132

 126.0064, 0.3043,
0.3742

 1.0365, 0.2303,
0.7697

158.6497, 0.3050,
0.3707

 0.0000, 0.0000,
0.0000

196.4935, 0.3056,

0.3677

239.9222, 0.3062,
0.3651

■ 27.3443, 0.2972,
0.4072

■ 27.3443, 0.2972,
0.4072

■ 26.2946, 0.2936,
0.4341

■ 28.5992, 0.3013,
0.3822

■ 25.4359, 0.2907,
0.4623

■ 30.0659, 0.3058,
0.3595

■ 24.7572, 0.2888,
0.4907


■ 31.7551, 0.3103,
0.3391


■ 24.2452, 0.2883,
0.5179


■ 33.6754, 0.3147,
0.3212

■ 23.8848, 0.2891,
0.5426

■ 35.8353, 0.3190,
0.3054


 23.6561, 0.2912,
0.5633

 38.2428, 0.3231,
0.2917

 23.5752, 0.2920,
0.5713

 40.9052, 0.3270,
0.2797

 43.8300, 0.3307,
0.2693

 47.0240, 0.3340,
0.2603

Harmonies

Analogous

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



27.3443, 0.3496, 0.4259



27.3443, 0.2972, 0.4072



27.3443, 0.2514, 0.3607

Triad

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



27.3443, 0.2972, 0.4072



27.3443, 0.2335, 0.2469



27.3443, 0.4110, 0.3377

Complementary

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



27.3443, 0.2972, 0.4072



18.0360, 0.3334, 0.2619

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.



27.3443, 0.3746, 0.2975



27.3443, 0.2972, 0.4072



27.3443, 0.2702, 0.2472

Square

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



27.3443, 0.2972, 0.4072



27.3443, 0.2172, 0.2670



27.3443, 0.3216, 0.2654



27.3443, 0.4178, 0.3791

Rectangle

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



27.3443, 0.2972, 0.4072



27.3443, 0.2302, 0.3245



27.3443, 0.3216, 0.2654



27.3443, 0.4018, 0.3238

Sweetspot

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



27.3454, 0.2972, 0.4072



55.0847, 0.3077, 0.3505



30.1296, 0.3507, 0.4192



12.3843, 0.3071, 0.3531



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.



27.3454, 0.2972, 0.4072



47.3745, 0.2941, 0.4296



28.0564, 0.2751, 0.3551



6.9483, 0.3086, 0.3464



18.9400, 0.2917, 0.5700



0.2881, 0.2715, 0.4974

Inverse Universe

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



18.0360, 0.3334, 0.2619



28.0367, 0.3398, 0.2464



17.3133, 0.3723, 0.3048



6.2987, 0.3171, 0.3122



6.6605, 0.3897, 0.1920



0.1050, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 27.3443, 0.2972, 0.4072 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 27.3443, 0.2972, 0.4072 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 27.3443, 0.2972, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 27.3443, 0.2972, 0.4072.



This preview shows how white text looks on a background with the Yxy color 27.3443, 0.2972, 0.4072.

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

27.3443, 0.2972, 0.4072

Protanopia

27.0829, 0.3602, 0.3860

Deuteranopia

27.1750, 0.3667, 0.3601



Tritanopia

27.3831, 0.2660, 0.3085

Trichromacy



Original Color

27.3443, 0.2972, 0.4072

Protanomaly

26.9581, 0.3348, 0.3948

Deuteranomaly

26.8702, 0.3376, 0.3762

Tritanomaly

27.2110, 0.2765, 0.3413

Monochromacy



Original Color

27.3443, 0.2972, 0.4072

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.9899, 0.3071, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3443, 0.2972, 0.4072 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(100, 155, 113)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 113)  
}
```

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(100, 155, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 113) }
```

Border

The CSS property to change the border of an element to Yxy 27.3443, 0.2972, 0.4072 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(100, 155, 113) }
```

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

```
.border{ border-color:rgb(100, 155, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 155, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 155, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 155, 113); box-shadow:4px 4px 4px 4px rgb(100, 155, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3443, 0.2972, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 113) }
```

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

```
.background{ background-color: rgb(100,  
155, 113) }
```

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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