

Converting Colors

$Y_{xy}(27.3925, 0.2512, 0.2932)$

Have a look what the booklet for
Yxy(27.3925, 0.2512, 0.2932)
contains.

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Color

$\text{Yxy}(27.4623, 0.2513, 0.2935)$

Conversions

Conversions Part 1

Format	Color
Hex	6496AB
RGB	100, 150, 171
RGB Percent	39%, 59%, 67%
CMY	0.6078, 0.4118, 0.3294
CMYK	0.42, 0.12, 0.00, 0.33
HSL	198°, 30%, 53%
HSV	198°, 42%, 67%
XYZ	23.5137, 27.4623, 42.5923
YIQ	137.4440, -36.5410, -4.0690

Conversions

Conversions Part 2

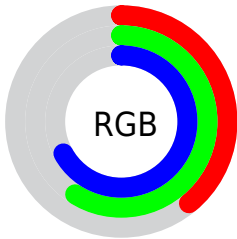
Format	Color
RYB	100, 129, 171
Decimal	6592171
CIELab	59.40, -11.12, -16.27
CIElCh	59, 19.706, 235.651
Yxy	27.4623, 0.2513, 0.2935
Android (android.graphics.Color)	4284782251 (0xFF6496AB)
YUV	137.4440, 16.5431, -32.8384
Hunter-Lab	52.4045, -11.6155, -11.5054

Details

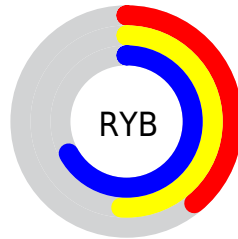
The Yxy color **27.4623, 0.2513, 0.2935** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.2581, 0.4029, 0.3613**, and the grayscale version is **25.1411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5467, 0.2640, 0.3014**, and **10.8599, 0.2304, 0.2792** is the 20% darker color. If you saturate the color by 10%, you get **25.0082, 0.2382, 0.2833**, and if you desaturate by 10%, it is **30.1930, 0.2654, 0.3032**.

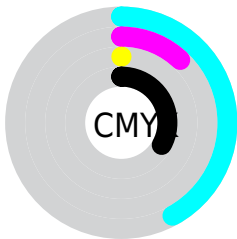
Distribution



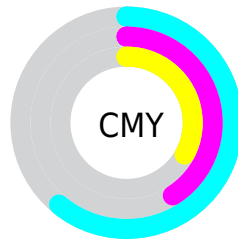
- Red (39%)
- Green (59%)
- Blue (67%)



- Red (39%)
- Yellow (51%)
- Blue (67%)



- Cyan (42%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)



- Cyan (61%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.4623, 0.2513, 0.2935 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 27.4623, 0.2513, 0.2935 by changing the saturation by 10% instead.

■ 27.4623, 0.2513,
0.2935

■ 27.4623, 0.2513,
0.2935

289.8886, 0.2840,
0.3132

■ 17.9207, 0.2425,
0.2879

■ 55.6248, 0.2637,
0.3012

■ 10.8931, 0.2308,
0.2802

■ 75.0146, 0.2681,
0.3039

■ 5.9950, 0.2146,
0.2691

■ 98.4558, 0.2719,
0.3061

■ 2.8420, 0.1908,
0.2519

■ 126.3330, 0.2751,
0.3080

■ 1.0498, 0.1522,
0.2226

159.0304, 0.2778,
0.3096

■ 0.0000, 0.0000,
0.0000

196.9326, 0.2801,

0.3110

240.4238, 0.2822,
0.3122

■ 27.4623, 0.2513,
0.2935

■ 27.4623, 0.2513,
0.2935

■ 25.0082, 0.2382,
0.2833

■ 30.1930, 0.2654,
0.3032

■ 22.8136, 0.2264,
0.2726

■ 33.2096, 0.2802,
0.3122

■ 20.8644, 0.2162,
0.2616

■ 36.5251, 0.2953,
0.3204

■ 19.1432, 0.2079,
0.2505

■ 40.1503, 0.3104,
0.3279

■ 17.6298, 0.2015,
0.2395

■ 44.0956, 0.3254,
0.3347

■ 16.4720, 0.1973,
0.2302

■ 48.3709, 0.3400,
0.3407

■ 52.9855, 0.3541,
0.3461

■ 57.9483, 0.3676,
0.3508

■ 63.2679, 0.3805,
0.3549

Harmonies

Analogous

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



27.4623, 0.2573, 0.3205



27.4623, 0.2513, 0.2935



27.4623, 0.2605, 0.2779

Triad

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



27.4623, 0.2513, 0.2935



27.4623, 0.3477, 0.3067



27.4623, 0.3404, 0.3879

Complementary

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



27.4623, 0.2513, 0.2935



23.2581, 0.4029, 0.3613

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.



27.4623, 0.3665, 0.3803



27.4623, 0.2513, 0.2935



27.4623, 0.3713, 0.3330

Square

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



27.4623, 0.2513, 0.2935



27.4623, 0.3150, 0.2863



27.4623, 0.3781, 0.3597



27.4623, 0.3078, 0.3777

Rectangle

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



27.4623, 0.2513, 0.2935



27.4623, 0.2744, 0.2750



27.4623, 0.3781, 0.3597



27.4623, 0.3502, 0.3872

Sweetspot

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



27.4634, 0.2513, 0.2935



64.9779, 0.2942, 0.3199



33.1974, 0.2924, 0.4181



14.3188, 0.2923, 0.3189



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.4634, 0.2513, 0.2935



45.0483, 0.2390, 0.2839



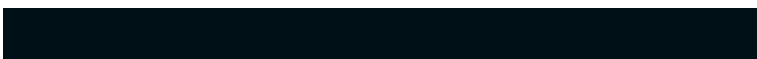
18.0021, 0.2414, 0.2314



8.6658, 0.2986, 0.3221



12.5111, 0.1976, 0.2313



0.4370, 0.2068, 0.2643

Inverse Universe

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



19.9773, 0.3438, 0.2557



30.5338, 0.3534, 0.2401



33.2300, 0.3818, 0.4103



8.1071, 0.3181, 0.3132



7.5660, 0.4113, 0.2039



0.2195, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 27.4623, 0.2513, 0.2935 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 27.4623, 0.2513, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

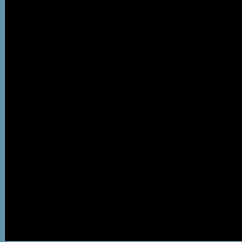
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4623, 0.2513, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 27.4623, 0.2513, 0.2935.



This preview shows how white text looks on a background with the Yxy color 27.4623, 0.2513, 0.2935.

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

27.4623, 0.2513, 0.2935

Protanopia

27.1696, 0.2869, 0.2909

Deuteranopia

27.1451, 0.2826, 0.2764



Tritanopia

27.3742, 0.2557, 0.3082

Trichromacy



Original Color

27.4623, 0.2513, 0.2935

Protanomaly

27.0216, 0.2724, 0.2914

Deuteranomaly

27.0591, 0.2700, 0.2824

Tritanomaly

27.5390, 0.2543, 0.3033

Monochromacy



Original Color

27.4623, 0.2513, 0.2935

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.8010, 0.2876, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4623, 0.2513, 0.2935 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, 150, 171)` looks like.

```
.text, #text, p{  
    color:rgb(100, 150, 171)  
}
```

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, 150, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 150, 171) }
```

Border

The CSS property to change the border of an element to Yxy 27.4623, 0.2513, 0.2935 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, 150, 171) }
```

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

```
.border{ border-color:rgb(100, 150, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 150, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 150, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 150, 171);  
box-shadow:4px 4px 4px 4px rgb(100, 150,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4623, 0.2513, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 150, 171) }
```

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

```
.background{ background-color: rgb(100,  
150, 171) }
```

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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