

Converting Colors

$Y_{xy}(27.8098, 0.2943, 0.3942)$

Have a look what the booklet for
Yxy(27.8098, 0.2943, 0.3942)
contains.

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Color

$Y_{xy}(27.6823, 0.2941, 0.3932)$

Conversions

Conversions Part 1

Format	Color
Hex	679B78
RGB	103, 155, 120
RGB Percent	40%, 61%, 47%
CMY	0.5960, 0.3922, 0.5295
CMYK	0.34, 0.00, 0.23, 0.39
HSL	140°, 21%, 51%
HSV	140°, 34%, 61%
XYZ	20.7054, 27.6823, 22.0149
YIQ	135.4620, -19.7570, -21.9090

Conversions

Conversions Part 2

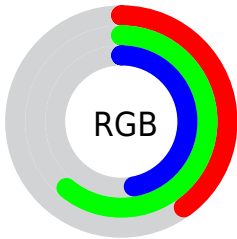
Format	Color
RYB	103, 142, 155
Decimal	6790008
CIELab	59.60, -25.01, 12.96
CIELCh	60, 28.172, 152.610
Yxy	27.6823, 0.2941, 0.3932
Android (android.graphics.Color)	4284980088 (0xFF679B78)
YUV	135.4620, -7.6228, -28.4692
Hunter-Lab	52.6140, -21.8286, 12.0215

Details

The Yxy color **27.6823, 0.2941, 0.3932** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5087, 0.3382, 0.2726**, and the grayscale version is **24.4449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1397, 0.2989, 0.3796**, and **10.9123, 0.2863, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **26.6103, 0.2894, 0.4165**, and if you desaturate by 10%, it is **28.9542, 0.2994, 0.3717**.

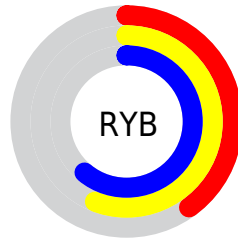
Distribution



Red (40%)

Green (61%)

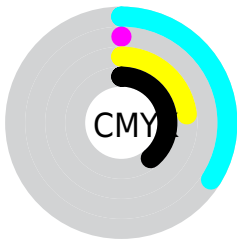
Blue (47%)



Red (40%)

Yellow (56%)

Blue (61%)

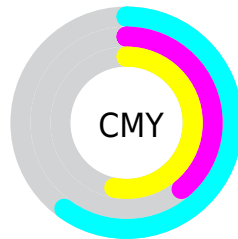


Cyan (34%)

Magenta (0%)

Yellow (23%)

Black (39%)



Cyan (60%)


Magenta (39%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6823, 0.2941, 0.3932 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 27.6823, 0.2941, 0.3932 by changing the saturation by 10% instead.


 27.6823, 0.2941,
0.3932

 27.6823, 0.2941,
0.3932


290.9457, 0.3049,
0.3570


 18.0863, 0.2908,
0.4039


 55.9768, 0.2984,
0.3789


 11.0120, 0.2861,
0.4189


 75.4441, 0.2999,
0.3739

 6.0749, 0.2788,
0.4413

 98.9707, 0.3011,
0.3698

 2.8907, 0.2664,
0.4781

 126.9409, 0.3021,
0.3664

 1.0749, 0.2316,
0.6229

159.7390, 0.3030,
0.3635

 0.0000, 0.0000,
0.0000

197.7497, 0.3037,

0.3610

241.3571, 0.3043,
0.3589

■ 27.6823, 0.2941,
0.3932

■ 27.6823, 0.2941,
0.3932

■ 26.6103, 0.2894,
0.4165

■ 28.9542, 0.2994,
0.3717

■ 25.7243, 0.2857,
0.4413

■ 30.4321, 0.3050,
0.3522

■ 25.0145, 0.2831,
0.4668


■ 32.1260, 0.3107,
0.3347


■ 24.4681, 0.2820,
0.4921

■ 34.0442, 0.3164,
0.3192

■ 24.0711, 0.2825,
0.5162


■ 36.1947, 0.3220,
0.3056


 23.8066, 0.2846,
0.5381

 38.5851, 0.3273,
0.2937

 23.6786, 0.2863,
0.5507

 41.2224, 0.3324,
0.2833

 44.1136, 0.3373,
0.2743

 47.2653, 0.3418,
0.2664

Harmonies

Analogous

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



27.6823, 0.3404, 0.4133



27.6823, 0.2941, 0.3932



27.6823, 0.2547, 0.3513

Triad

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



27.6823, 0.2941, 0.3932



27.6823, 0.2454, 0.2552



27.6823, 0.4013, 0.3419

Complementary

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



27.6823, 0.2941, 0.3932



18.5087, 0.3382, 0.2726

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.



27.6823, 0.3720, 0.3053



27.6823, 0.2941, 0.3932



27.6823, 0.2803, 0.2572

Square

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



27.6823, 0.2941, 0.3932



27.6823, 0.2284, 0.2714



27.6823, 0.3266, 0.2752



27.6823, 0.4043, 0.3784

Rectangle

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



27.6823, 0.2941, 0.3932



27.6823, 0.2371, 0.3201



27.6823, 0.3266, 0.2752



27.6823, 0.3942, 0.3294

Sweetspot

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



27.6835, 0.2941, 0.3932



55.4697, 0.3069, 0.3461



29.8723, 0.3441, 0.4154



12.4681, 0.3061, 0.3484



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.



27.6835, 0.2941, 0.3932



48.1508, 0.2906, 0.4099



28.3867, 0.2735, 0.3457



6.9572, 0.3074, 0.3444



19.0247, 0.2859, 0.5492



0.2906, 0.2633, 0.4679

Inverse Universe

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



18.5087, 0.3382, 0.2726



29.2243, 0.3455, 0.2604



17.8547, 0.3742, 0.3133



6.2893, 0.3184, 0.3141



6.4140, 0.4219, 0.2098



0.1025, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 27.6823, 0.2941, 0.3932 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 27.6823, 0.2941, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

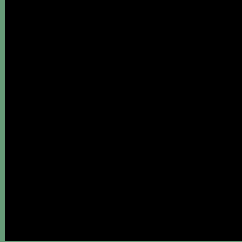
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6823, 0.2941, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 27.6823, 0.2941, 0.3932.



This preview shows how white text looks on a background with the Yxy color 27.6823, 0.2941, 0.3932.

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

27.6823, 0.2941, 0.3932

Protanopia

27.5352, 0.3525, 0.3761

Deuteranopia

27.5247, 0.3573, 0.3508



Tritanopia

27.5128, 0.2677, 0.3086

Trichromacy



Original Color

27.6823, 0.2941, 0.3932

Protanomaly

27.1967, 0.3291, 0.3822

Deuteranomaly

27.1274, 0.3316, 0.3641

Tritanomaly

27.4598, 0.2774, 0.3376

Monochromacy



Original Color

27.6823, 0.2941, 0.3932

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1687, 0.3043, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6823, 0.2941, 0.3932 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(103, 155, 120)` looks like.

```
.text, #text, p{  
    color:rgb(103, 155, 120)  
}
```

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(103, 155, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 155, 120) }
```

Border

The CSS property to change the border of an element to Yxy 27.6823, 0.2941, 0.3932 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(103, 155, 120) }
```

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

```
.border{ border-color:rgb(103, 155, 120) }
```

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

Here you see how a box with a 4 pixel rgb(103, 155, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 155, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 155, 120);  
box-shadow:4px 4px 4px 4px rgb(103, 155,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6823, 0.2941, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 155, 120) }
```

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

```
.background{ background-color: rgb(103,  
155, 120) }
```

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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