

Converting Colors

$Y_{xy}(29.8746, 0.2675, 0.3010)$

Have a look what the booklet for
Yxy(29.8746, 0.2675, 0.3010)
contains.

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Color

Yxy(30.0445, 0.2675, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	789AAB
RGB	120, 154, 171
RGB Percent	47%, 60%, 67%
CMY	0.5296, 0.3960, 0.3294
CMYK	0.30, 0.10, 0.00, 0.33
HSL	200°, 23%, 57%
HSV	200°, 30%, 67%
XYZ	26.6476, 30.0445, 42.9250
YIQ	145.7720, -25.7210, -1.9210

Conversions

Conversions Part 2

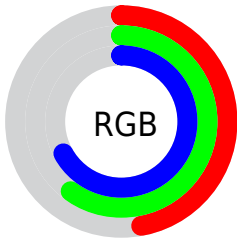
Format	Color
RYB	120, 140, 171
Decimal	7903915
CIELab	61.69, -7.63, -12.70
CIElCh	62, 14.815, 238.982
Yxy	30.0445, 0.2675, 0.3016
Android (android.graphics.Color)	4286093995 (0xFF789AAB)
YUV	145.7720, 12.4374, -22.6020
Hunter-Lab	54.8129, -9.1438, -8.0621

Details

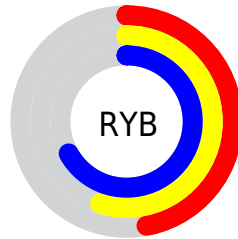
The Yxy color **30.0445, 0.2675, 0.3016** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.8904, 0.3704, 0.3548**, and the grayscale version is **28.5998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4870, 0.2764, 0.3072**, and **12.2976, 0.2520, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **27.0959, 0.2529, 0.2908**, and if you desaturate by 10%, it is **33.3030, 0.2826, 0.3116**.

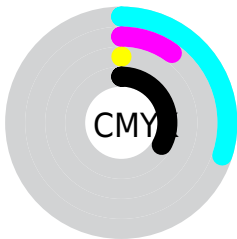
Distribution



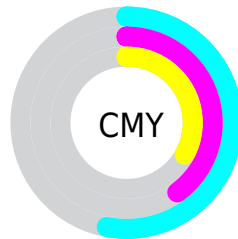
- Red (47%)
- Green (60%)
- Blue (67%)



- Red (47%)
- Yellow (55%)
- Blue (67%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (33%)



- Cyan (53%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0445, 0.2675, 0.3016 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 30.0445, 0.2675, 0.3016 by changing the saturation by 10% instead.

■ 30.0445, 0.2675,
0.3016

■ 30.0445, 0.2675,
0.3016

■ 302.1118, 0.2914,
0.3165

■ 19.8724, 0.2611,
0.2974

■ 59.7325, 0.2765,
0.3073

■ 12.3023, 0.2526,
0.2918

■ 80.0172, 0.2798,
0.3094

■ 6.9499, 0.2408,
0.2838

■ 104.4416, 0.2825,
0.3111

■ 3.4308, 0.2234,
0.2716

■ 133.3900, 0.2849,
0.3125

■ 1.3606, 0.1954,
0.2507

■ 167.2468, 0.2868,
0.3137

■ 0.1874, 0.0000,
0.1459

■ 206.3965, 0.2886,

■ 0.0000, 0.0000,

0.3148

0.0000

251.2233, 0.2901,
0.3157

■ 30.0445, 0.2675,
0.3016

■ 30.0445, 0.2675,
0.3016

■ 27.0959, 0.2529,
0.2908

■ 33.3030, 0.2826,
0.3116

■ 24.4406, 0.2392,
0.2793

■ 36.8797, 0.2978,
0.3208

■ 22.0660, 0.2266,
0.2672

■ 40.7870, 0.3129,
0.3291

■ 19.9567, 0.2156,
0.2547

■ 45.0355, 0.3278,
0.3366

■ 18.0954, 0.2065,
0.2421

■ 49.6354, 0.3421,
0.3432

■ 16.4618, 0.1993,
0.2296

■ 54.5961, 0.3559,
0.3491

■ 15.0142, 0.1937,
0.2172

■ 59.9270, 0.3691,
0.3543

■ 14.9936, 0.1936,
0.2170

■ 65.3014, 0.3800,
0.3589

■ 67.9797, 0.3781,
0.3647

Harmonies

Analogous

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



30.0445, 0.2708, 0.3207



30.0445, 0.2675, 0.3016



30.0445, 0.2757, 0.2907

Triad

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



30.0445, 0.2675, 0.3016



30.0445, 0.3406, 0.3147



30.0445, 0.3307, 0.3713

Complementary

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



30.0445, 0.2675, 0.3016



27.8904, 0.3704, 0.3548

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.



30.0445, 0.3504, 0.3678



30.0445, 0.2675, 0.3016



30.0445, 0.3565, 0.3347

Square

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



30.0445, 0.2675, 0.3016



30.0445, 0.3174, 0.2986



30.0445, 0.3600, 0.3540



30.0445, 0.3067, 0.3624

Rectangle

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



30.0445, 0.2675, 0.3016



30.0445, 0.2868, 0.2891



30.0445, 0.3600, 0.3540



30.0445, 0.3381, 0.3715

Sweetspot

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



30.0457, 0.2675, 0.3016



66.5109, 0.2989, 0.3214



34.8988, 0.2962, 0.3864



14.6200, 0.2967, 0.3202



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.



30.0457, 0.2675, 0.3016



50.1642, 0.2575, 0.2943



22.7141, 0.2630, 0.2599



8.6160, 0.2986, 0.3213



11.4018, 0.1940, 0.2182



0.4121, 0.2044, 0.2557

Inverse Universe

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



24.4144, 0.3353, 0.2790



38.7993, 0.3421, 0.2674



35.7298, 0.3604, 0.3897



8.1021, 0.3186, 0.3140



7.4541, 0.4251, 0.2116



0.2170, 0.3866, 0.1903

Previews

White Background



This preview shows how the Yxy color 30.0445, 0.2675, 0.3016 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 30.0445, 0.2675, 0.3016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

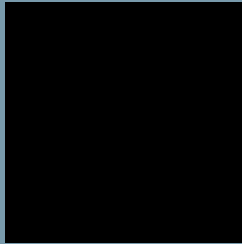
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

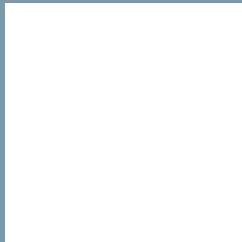
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0445, 0.2675, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 30.0445, 0.2675, 0.3016.



This preview shows how white text looks on a background with the Yxy color 30.0445, 0.2675, 0.3016.

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

30.0445, 0.2675, 0.3016

Protanopia

30.0808, 0.2933, 0.2999

Deuteranopia

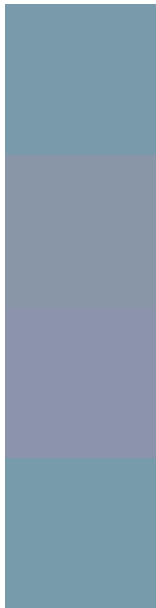
29.8472, 0.2927, 0.2871



Tritanopia

30.1546, 0.2699, 0.3094

Trichromacy



Original Color

30.0445, 0.2675, 0.3016

Protanomaly

29.9582, 0.2841, 0.3008

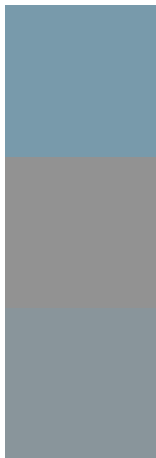
Deuteranomaly

29.7338, 0.2833, 0.2920

Tritanomaly

30.1918, 0.2692, 0.3079

Monochromacy



Original Color

30.0445, 0.2675, 0.3016

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.1798, 0.2953, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0445, 0.2675, 0.3016 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(120, 154, 171)` looks like.

```
.text, #text, p{  
    color:rgb(120, 154, 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(120, 154, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 154, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.0445, 0.2675, 0.3016 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(120, 154, 171) }
```

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

```
.border{ border-color:rgb(120, 154, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 154, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 154, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 154, 171);  
box-shadow:4px 4px 4px 4px rgb(120, 154,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0445, 0.2675, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 154, 171) }
```

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

```
.background{ background-color: rgb(120,  
154, 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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