

Converting Colors

$Y_{xy}(30.8258, 0.2538, 0.3060)$

Have a look what the booklet for
Yxy(30.8258, 0.2538, 0.3060)
contains.

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Color

Yxy(30.6382, 0.2538, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	669FAD
RGB	102, 159, 173
RGB Percent	40%, 62%, 68%
CMY	0.5999, 0.3765, 0.3216
CMYK	0.41, 0.08, 0.00, 0.32
HSL	192°, 30%, 54%
HSV	192°, 41%, 68%
XYZ	25.4200, 30.6382, 44.0994
YIQ	143.5530, -38.4660, -7.7300

Conversions

Conversions Part 2

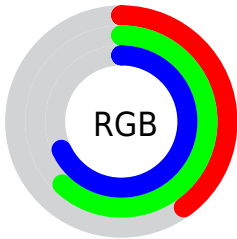
Format	Color
RYB	102, 134, 173
Decimal	6725549
CIELab	62.20, -14.93, -13.15
CIElCh	62, 19.892, 221.363
Yxy	30.6382, 0.2538, 0.3059
Android (android.graphics.Color)	4284915629 (0xFF669FAD)
YUV	143.5530, 14.5174, -36.4420
Hunter-Lab	55.3518, -14.8905, -8.4907

Details

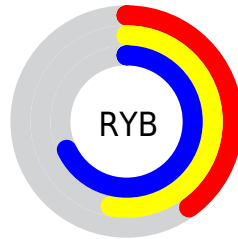
The Yxy color **30.6382, 0.2538, 0.3059** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3312, 0.4060, 0.3504**, and the grayscale version is **27.6546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7625, 0.2655, 0.3117**, and **12.5488, 0.2347, 0.2952** is the 20% darker color. If you saturate the color by 10%, you get **28.5759, 0.2417, 0.2993**, and if you desaturate by 10%, it is **32.9460, 0.2671, 0.3122**.

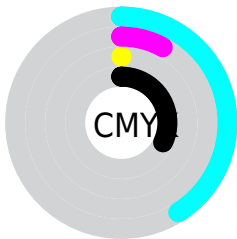
Distribution



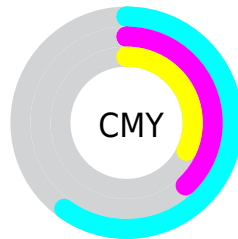
- Red (40%)
- Green (62%)
- Blue (68%)



- Red (40%)
- Yellow (53%)
- Blue (68%)



- Cyan (41%)
- Magenta (8%)
- Yellow (0%)
- Black (32%)





- Cyan (60%)
- Magenta (38%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6382, 0.2538, 0.3059 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 30.6382, 0.2538, 0.3059 by changing the saturation by 10% instead.

 30.6382, 0.2538,
0.3059


 30.6382, 0.2538,
0.3059


304.8680, 0.2847,
0.3188


 20.3235, 0.2456,
0.3022


 60.6700, 0.2654,
0.3109


 12.6304, 0.2349,
0.2971


 81.1559, 0.2696,
0.3127

 7.1745, 0.2202,
0.2897


 105.8010, 0.2731,
0.3142

 3.5715, 0.1988,
0.2782

 134.9896, 0.2761,
0.3154

 1.4369, 0.1656,
0.2582

169.1063, 0.2787,
0.3165

 0.2437, 0.0000,
0.1686

208.5353, 0.2810,

 0.0000, 0.0000,

0.3174

0.0000

253.6611, 0.2829,
0.3181

■ 30.6382, 0.2538,
0.3059

■ 30.6382, 0.2538,
0.3059

■ 28.5759, 0.2417,
0.2993

■ 32.9460, 0.2671,
0.3122

■ 26.7422, 0.2312,
0.2924

■ 35.5082, 0.2813,
0.3181

■ 25.1232, 0.2223,
0.2854

■ 38.3373, 0.2960,
0.3235

■ 23.7020, 0.2154,
0.2783

■ 41.4441, 0.3112,
0.3285

■ 22.4584, 0.2103,
0.2712

■ 44.8385, 0.3263,
0.3330

■ 21.4551, 0.2069,
0.2649

■ 48.5300, 0.3414,
0.3371

■ 52.5277, 0.3561,
0.3406

■ 56.8401, 0.3703,
0.3438

■ 60.9602, 0.3817,
0.3467

Harmonies

Analogous

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



30.6382, 0.2666, 0.3354



30.6382, 0.2538, 0.3059



30.6382, 0.2558, 0.2849

Triad

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



30.6382, 0.2538, 0.3059



30.6382, 0.3321, 0.2968



30.6382, 0.3531, 0.3847

Complementary

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



30.6382, 0.2538, 0.3059



22.3312, 0.4060, 0.3504

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.



30.6382, 0.3726, 0.3706



30.6382, 0.2538, 0.3059



30.6382, 0.3604, 0.3203

Square

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



30.6382, 0.2538, 0.3059



30.6382, 0.2996, 0.2810



30.6382, 0.3755, 0.3469



30.6382, 0.3233, 0.3833

Rectangle

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



30.6382, 0.2538, 0.3059



30.6382, 0.2652, 0.2778



30.6382, 0.3755, 0.3469



30.6382, 0.3611, 0.3815

Sweetspot

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



30.6394, 0.2538, 0.3059



68.0507, 0.2943, 0.3229



33.9442, 0.2977, 0.4297



14.6478, 0.2924, 0.3223



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.



30.6394, 0.2538, 0.3059



51.6005, 0.2431, 0.3001



20.3800, 0.2443, 0.2454



8.8000, 0.2986, 0.3244



15.8463, 0.2071, 0.2656



0.5083, 0.2130, 0.2869

Inverse Universe

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



20.8912, 0.3343, 0.2473



32.3458, 0.3403, 0.2309



31.8173, 0.3849, 0.4000



8.1206, 0.3166, 0.3110



7.9027, 0.3770, 0.1850



0.2267, 0.3572, 0.1741

Previews

White Background



This preview shows how the Yxy color 30.6382, 0.2538, 0.3059 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.6382, 0.2538, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

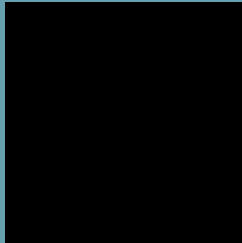
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6382, 0.2538, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 30.6382, 0.2538, 0.3059.



This preview shows how white text looks on a background with the Yxy color 30.6382, 0.2538, 0.3059.

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

30.6382, 0.2538, 0.3059

Protanopia

30.4511, 0.2951, 0.3030

Deuteranopia

30.3678, 0.2911, 0.2845



Tritanopia

30.5996, 0.2544, 0.3075

Trichromacy



Original Color

30.6382, 0.2538, 0.3059

Protanomaly

30.4723, 0.2782, 0.3037

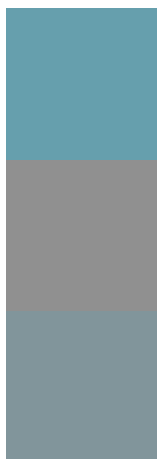
Deuteranomaly

30.2967, 0.2758, 0.2918

Tritanomaly

30.5996, 0.2544, 0.3075

Monochromacy



Original Color

30.6382, 0.2538, 0.3059

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.5286, 0.2876, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6382, 0.2538, 0.3059 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(102, 159, 173)` looks like.

```
.text, #text, p{  
    color:rgb(102, 159, 173)  
}
```

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(102, 159, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 159, 173) }
```

Border

The CSS property to change the border of an element to Yxy 30.6382, 0.2538, 0.3059 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(102, 159, 173) }
```

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

```
.border{ border-color:rgb(102, 159, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 159, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 159, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 159, 173);  
box-shadow:4px 4px 4px 4px rgb(102, 159,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6382, 0.2538, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 159, 173) }
```

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

```
.background{ background-color: rgb(102,  
159, 173) }
```

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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