

Converting Colors

$Yxy(28.1233, 0.2440, 0.3057)$

Have a look what the booklet for
Yxy(28.1233, 0.2440, 0.3057)
contains.

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Color

Yxy(28.1547, 0.2442, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	549BA8
RGB	84, 155, 168
RGB Percent	33%, 61%, 66%
CMY	0.6709, 0.3921, 0.3412
CMYK	0.50, 0.08, 0.00, 0.34
HSL	189°, 33%, 49%
HSV	189°, 50%, 66%
XYZ	22.4392, 28.1547, 41.2948
YIQ	135.2530, -46.4890, -11.0090

Conversions

Conversions Part 2

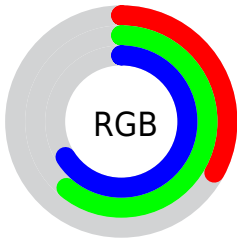
Format	Color
RYP	84, 122, 168
Decimal	5544872
CIELab	60.03, -18.68, -13.69
CIElCh	60, 23.159, 216.223
Yxy	28.1547, 0.2442, 0.3064
Android (android.graphics.Color)	4283734952 (0xFF549BA8)
YUV	135.2530, 16.1443, -44.9489
Hunter-Lab	53.0610, -17.3700, -8.9998

Details

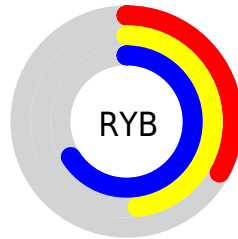
The Yxy color **28.1547, 0.2442, 0.3064** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4935, 0.4394, 0.3492**, and the grayscale version is **24.2725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9099, 0.2580, 0.3123**, and **11.3437, 0.2221, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **26.6181, 0.2340, 0.3011**, and if you desaturate by 10%, it is **29.8978, 0.2559, 0.3115**.

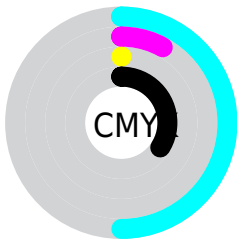
Distribution



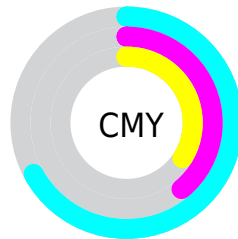
- Red (33%)
- Green (61%)
- Blue (66%)



- Red (33%)
- Yellow (48%)
- Blue (66%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (34%)





- Cyan (67%)
- Magenta (39%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1547, 0.2442, 0.3064 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 28.1547, 0.2442, 0.3064 by changing the saturation by 10% instead.


 28.1547, 0.2442,
0.3064


 28.1547, 0.2442,
0.3064


293.2054, 0.2804,
0.3194


 18.4423, 0.2345,
0.3025


 56.7313, 0.2578,
0.3116


 11.2680, 0.2217,
0.2970


 76.3644, 0.2628,
0.3134

 6.2474, 0.2041,
0.2889


 100.0731, 0.2670,
0.3149

 2.9961, 0.1785,
0.2758

 128.2418, 0.2705,
0.3161

 1.1297, 0.1343,
0.2532

161.2550, 0.2735,
0.3171

 0.0031, 0.0000,
0.0032

199.4971, 0.2761,

 0.0000, 0.0000,

0.3180

0.0000

243.3524, 0.2784,
0.3188

■ 28.1547, 0.2442,
0.3064

■ 28.1547, 0.2442,
0.3064

■ 26.6181, 0.2340,
0.3011

■ 29.8978, 0.2559,
0.3115

■ 25.2711, 0.2256,
0.2957

■ 31.8566, 0.2689,
0.3163

■ 24.0995, 0.2190,
0.2903

■ 34.0433, 0.2829,
0.3209

■ 23.0849, 0.2143,
0.2849

■ 36.4683, 0.2976,
0.3251

■ 22.1909, 0.2110,
0.2795

■ 39.1414, 0.3126,
0.3290

■ 42.0719, 0.3279,
0.3325

■ 45.2682, 0.3430,
0.3356

■ 48.7388, 0.3579,
0.3384

■ 52.4915, 0.3724,
0.3409

Harmonies

Analogous

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



28.1547, 0.2619, 0.3429



28.1547, 0.2442, 0.3064



28.1547, 0.2435, 0.2794

Triad

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



28.1547, 0.2442, 0.3064



28.1547, 0.3291, 0.2869



28.1547, 0.3658, 0.3939

Complementary

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



28.1547, 0.2442, 0.3064



17.4935, 0.4394, 0.3492

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.



28.1547, 0.3865, 0.3738



28.1547, 0.2442, 0.3064



28.1547, 0.3650, 0.3132

Square

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



28.1547, 0.2442, 0.3064



28.1547, 0.2905, 0.2704



28.1547, 0.3864, 0.3443



28.1547, 0.3315, 0.3964

Rectangle

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



28.1547, 0.2442, 0.3064



28.1547, 0.2527, 0.2696



28.1547, 0.3864, 0.3443



28.1547, 0.3747, 0.3888

Sweetspot

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



28.1558, 0.2442, 0.3064



63.8256, 0.2898, 0.3230



30.7389, 0.2970, 0.4615



13.7203, 0.2869, 0.3221



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.1558, 0.2442, 0.3064



48.0320, 0.2331, 0.3006



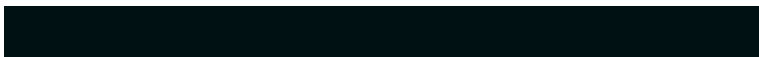
16.5952, 0.2294, 0.2285



8.3318, 0.2987, 0.3254



16.8192, 0.2111, 0.2801



0.4607, 0.2161, 0.2978

Inverse Universe

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



17.0192, 0.3354, 0.2263



26.1631, 0.3418, 0.2076



27.3035, 0.4051, 0.4109



7.6464, 0.3160, 0.3101



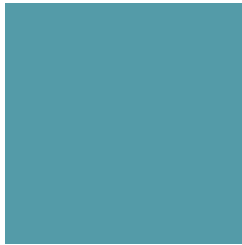
7.7690, 0.3634, 0.1776



0.1942, 0.3474, 0.1687

Previews

White Background



This preview shows how the Yxy color 28.1547, 0.2442, 0.3064 looks on a white background.

Color Contrast Check

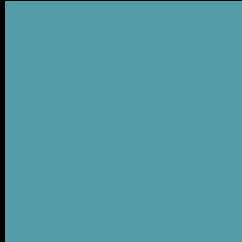
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1547, 0.2442, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

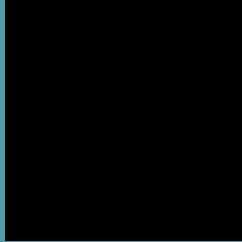
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1547, 0.2442, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 28.1547, 0.2442, 0.3064.



This preview shows how white text looks on a background with the Yxy color 28.1547, 0.2442, 0.3064.

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

28.1547, 0.2442, 0.3064

Protanopia

27.9338, 0.2955, 0.3021

Deuteranopia

28.0098, 0.2884, 0.2829



Tritanopia

28.1547, 0.2442, 0.3064

Trichromacy



Original Color

28.1547, 0.2442, 0.3064

Protanomaly

27.5767, 0.2735, 0.3025

Deuteranomaly

27.6710, 0.2694, 0.2901

Tritanomaly

28.1547, 0.2442, 0.3064

Monochromacy



Original Color

28.1547, 0.2442, 0.3064

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.1656, 0.2817, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1547, 0.2442, 0.3064 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(84, 155, 168)` looks like.

```
.text, #text, p{  
    color:rgb(84, 155, 168)  
}
```

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(84, 155, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 155, 168) }
```

Border

The CSS property to change the border of an element to Yxy 28.1547, 0.2442, 0.3064 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(84, 155, 168) }
```

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

```
.border{ border-color:rgb(84, 155, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 155, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 155, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 155, 168);  
box-shadow:4px 4px 4px 4px rgb(84, 155,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1547, 0.2442, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 155, 168) }
```

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

```
.background{ background-color: rgb(84, 155,  
168) }
```

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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