

Converting Colors

$Y_{xy}(24.8248, 0.2796, 0.3474)$

Have a look what the booklet for
Yxy(24.8248, 0.2796, 0.3474)
contains.

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Color

Yxy(24.8248, 0.2796, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	669187
RGB	102, 145, 135
RGB Percent	40%, 57%, 53%
CMY	0.5999, 0.4314, 0.4706
CMYK	0.30, 0.00, 0.07, 0.43
HSL	166°, 17%, 48%
HSV	166°, 30%, 57%
XYZ	19.9799, 24.8248, 26.6541
YIQ	131.0030, -22.4180, -12.2260

Conversions

Conversions Part 2

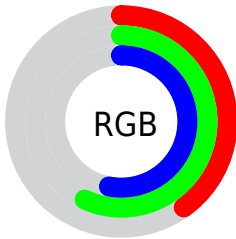
Format	Color
R_{YB}	102, 126, 145
Decimal	6721927
CIE _{Lab}	56.90, -16.95, 0.59
CIE _{LCh}	57, 16.957, 178.022
Y _{xy}	24.8248, 0.2796, 0.3474
Android (android.graphics.Color)	4284912007 (0xFF669187)
YUV	131.0030, 1.9705, -25.4356
Hunter-Lab	49.8245, -15.6134, 3.1593

Details

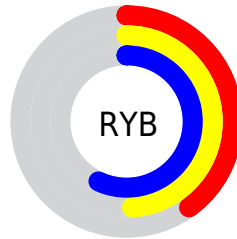
The Yxy color $24.8248, 0.2796, 0.3474$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.7001, 0.3611, 0.3115$, and the grayscale version is $22.6994, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.3477, 0.2866, 0.3437$, and $9.4182, 0.2677, 0.3545$ is the 20% darker color. If you saturate the color by 10%, you get $23.9574, 0.2701, 0.3547$, and if you desaturate by 10%, it is $25.8455, 0.2901, 0.3407$.

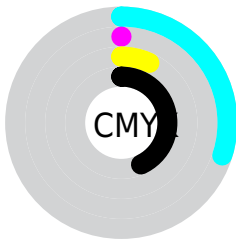
Distribution



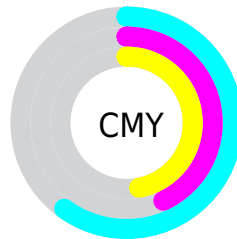
- Red (40%)
- Green (57%)
- Blue (53%)



- Red (40%)
- Yellow (49%)
- Blue (57%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (43%)





- Cyan (60%)
- Magenta (43%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8248, 0.2796, 0.3474 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 24.8248, 0.2796, 0.3474 by changing the saturation by 10% instead.


 24.8248, 0.2796,
0.3474


 24.8248, 0.2796,
0.3474


276.9643, 0.2979,
0.3372


 15.9466, 0.2744,
0.3503


 51.3729, 0.2867,
0.3434


 9.4864, 0.2672,
0.3544


 69.8115, 0.2892,
0.3420

 5.0597, 0.2567,
0.3603

 92.2057, 0.2913,
0.3409

 2.2824, 0.2399,
0.3698

 118.9399, 0.2930,
0.3399

 0.7644, 0.1674,
0.4091

150.3984, 0.2945,
0.3391

 0.0000, 0.0000,
0.0000

186.9658, 0.2958,

0.3384

229.0263, 0.2969,
0.3378

■ 24.8248, 0.2796,
0.3474

■ 24.8248, 0.2796,
0.3474

■ 23.9574, 0.2701,
0.3547

■ 25.8455, 0.2901,
0.3407

■ 23.2325, 0.2618,
0.3623

■ 27.0235, 0.3014,
0.3344

■ 22.6426, 0.2551,
0.3704

■ 28.3667, 0.3132,
0.3288

■ 22.1784, 0.2500,
0.3787

■ 29.8813, 0.3252,
0.3237

■ 21.8293, 0.2469,
0.3871

■ 31.5734, 0.3372,
0.3192

■ 21.5831, 0.2455,
0.3955

■ 33.4486, 0.3492,
0.3152

■ 21.4086, 0.2456,
0.4039

■ 35.5124, 0.3609,
0.3116

■ 21.4023, 0.2456,
0.4042

■ 37.7701, 0.3723,
0.3085

■ 40.2265, 0.3832,
0.3058

Harmonies

Analogous

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



24.8248, 0.3061, 0.3707



24.8248, 0.2796, 0.3474



24.8248, 0.2623, 0.3195

Triad

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



24.8248, 0.2796, 0.3474



24.8248, 0.2886, 0.2816



24.8248, 0.3707, 0.3584

Complementary

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



24.8248, 0.2796, 0.3474



16.7001, 0.3611, 0.3115

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.



24.8248, 0.3658, 0.3347



24.8248, 0.2796, 0.3474



24.8248, 0.3173, 0.2919

Square

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



24.8248, 0.2796, 0.3474



24.8248, 0.2673, 0.2828



24.8248, 0.3459, 0.3109



24.8248, 0.3592, 0.3758

Rectangle

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



24.8248, 0.2796, 0.3474



24.8248, 0.2578, 0.3029



24.8248, 0.3459, 0.3109



24.8248, 0.3709, 0.3509

Sweetspot

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



24.8258, 0.2796, 0.3474



48.4968, 0.3019, 0.3342



24.6588, 0.3192, 0.4096



10.7228, 0.3004, 0.3350



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.8258, 0.2796, 0.3474



43.3264, 0.2727, 0.3525



21.7947, 0.2690, 0.3077



6.0951, 0.3019, 0.3342



18.3622, 0.2455, 0.4037



0.1789, 0.2346, 0.3644

Inverse Universe

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



16.7001, 0.3611, 0.3115



26.1936, 0.3777, 0.3072



18.8998, 0.3703, 0.3493



5.4434, 0.3247, 0.3239



5.2649, 0.5922, 0.3036



0.0533, 0.4915, 0.2481

Previews

White Background



This preview shows how the Yxy color 24.8248, 0.2796, 0.3474 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 24.8248, 0.2796, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

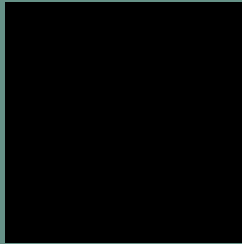
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8248, 0.2796, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 24.8248, 0.2796, 0.3474.



This preview shows how white text looks on a background with the Yxy color 24.8248, 0.2796, 0.3474.

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

24.8248, 0.2796, 0.3474

Protanopia

24.7955, 0.3235, 0.3392

Deuteranopia

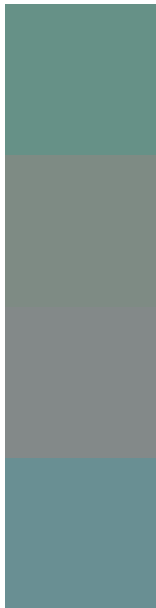
24.6334, 0.3247, 0.3192



Tritanopia

24.7433, 0.2668, 0.3077

Trichromacy



Original Color

24.8248, 0.2796, 0.3474

Protanomaly

24.5668, 0.3057, 0.3413

Deuteranomaly

24.5228, 0.3062, 0.3290

Tritanomaly

24.7548, 0.2718, 0.3217

Monochromacy



Original Color

24.8248, 0.2796, 0.3474

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.2673, 0.2993, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8248, 0.2796, 0.3474 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, 145, 135)` looks like.

```
.text, #text, p{  
    color:rgb(102, 145, 135)  
}
```

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, 145, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 145, 135) }
```

Border

The CSS property to change the border of an element to Yxy 24.8248, 0.2796, 0.3474 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, 145, 135) }
```

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

```
.border{ border-color:rgb(102, 145, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 145, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 145, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 145, 135);  
box-shadow:4px 4px 4px 4px rgb(102, 145,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8248, 0.2796, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 145, 135) }
```

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

```
.background{ background-color: rgb(102,  
145, 135) }
```

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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