

Converting Colors

$Y_{xy}(30.7475, 0.2957, 0.3487)$

Have a look what the booklet for
Yxy(30.7475, 0.2957, 0.3487)
contains.

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Color

Yxy(30.7475, 0.2957, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	809D91
RGB	128, 157, 145
RGB Percent	50%, 62%, 57%
CMY	0.4979, 0.3843, 0.4313
CMYK	0.18, 0.00, 0.08, 0.38
HSL	155°, 13%, 56%
HSV	155°, 18%, 62%
XYZ	26.0741, 30.7475, 31.3559
YIQ	146.9610, -13.4320, -9.8800

Conversions

Conversions Part 2

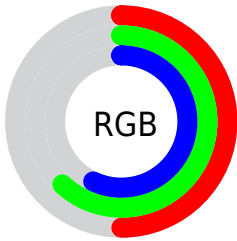
Format	Color
RYB	128, 146, 157
Decimal	8428945
CIELab	62.29, -12.59, 2.92
CIElCh	62, 12.924, 166.961
Yxy	30.7475, 0.2957, 0.3487
Android (android.graphics.Color)	4286619025 (0xFF809D91)
YUV	146.9610, -0.9668, -16.6288
Hunter-Lab	55.4504, -13.1034, 5.2882

Details

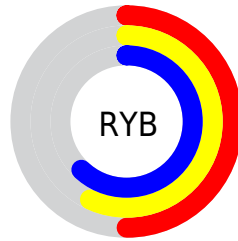
The Yxy color $30.7475, 0.2957, 0.3487$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $24.5071, 0.3336, 0.3101$, and the grayscale version is $29.1719, 0.3127, 0.3290$.

A 20% lighter version of the original color is $61.0342, 0.2990, 0.3449$, and $12.7540, 0.2890, 0.3557$ is the 20% darker color. If you saturate the color by 10%, you get $29.4291, 0.2871, 0.3610$, and if you desaturate by 10%, it is $32.2683, 0.3048, 0.3376$.

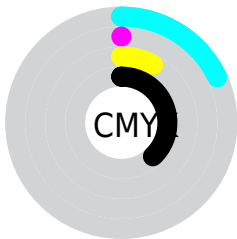
Distribution



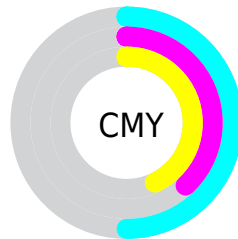
- Red (50%)
- Green (62%)
- Blue (57%)



- Red (50%)
- Yellow (57%)
- Blue (62%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)
- Black (38%)



- Cyan (50%)
- Magenta (38%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7475, 0.2957, 0.3487 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 30.7475, 0.2957, 0.3487 by changing the saturation by 10% instead.

■ 30.7475, 0.2957,
0.3487

■ 30.7475, 0.2957,
0.3487

■ 305.3734, 0.3049,
0.3380

■ 20.4067, 0.2932,
0.3517

■ 60.8423, 0.2992,
0.3446

■ 12.6910, 0.2898,
0.3557

■ 81.3651, 0.3005,
0.3431

■ 7.2161, 0.2849,
0.3615

■ 106.0506, 0.3015,
0.3419

■ 3.5976, 0.2775,
0.3704

■ 135.2833, 0.3024,
0.3409

■ 1.4511, 0.2646,
0.3860

■ 169.4475, 0.3031,
0.3400

■ 0.2539, 0.0000,
0.7775

■ 208.9276, 0.3038,

■ 0.0000, 0.0000,

0.3393

0.0000

254.1081, 0.3044,
0.3386

■ 30.7475, 0.2957,
0.3487

■ 30.7475, 0.2957,
0.3487

■ 29.4291, 0.2871,
0.3610

■ 32.2683, 0.3048,
0.3376

■ 28.3005, 0.2793,
0.3743

■ 33.9959, 0.3142,
0.3275

■ 27.3533, 0.2725,
0.3886


■ 35.9393, 0.3236,
0.3186


■ 26.5774, 0.2671,
0.4037


■ 38.1060, 0.3330,
0.3106

■ 25.9611, 0.2634,
0.4193


■ 40.5030, 0.3421,
0.3036


 25.4918, 0.2615,
0.4352


 43.1370, 0.3510,
0.2975


 25.1543, 0.2615,
0.4510

 46.0144, 0.3595,
0.2921

 24.9200, 0.2633,
0.4664

 49.1414, 0.3677,
0.2874

 24.8866, 0.2636,
0.4688

 49.7052, 0.3627,
0.2811

Harmonies

Analogous

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



30.7475, 0.3160, 0.3621



30.7475, 0.2957, 0.3487



30.7475, 0.2802, 0.3298

Triad

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



30.7475, 0.2957, 0.3487



30.7475, 0.2891, 0.2942



30.7475, 0.3538, 0.3445

Complementary

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



30.7475, 0.2957, 0.3487



24.5071, 0.3336, 0.3101

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.



30.7475, 0.3461, 0.3269



30.7475, 0.2957, 0.3487



30.7475, 0.3083, 0.2986

Square

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



30.7475, 0.2957, 0.3487



30.7475, 0.2765, 0.2986



30.7475, 0.3293, 0.3104



30.7475, 0.3500, 0.3588

Rectangle

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



30.7475, 0.2957, 0.3487



30.7475, 0.2745, 0.3171



30.7475, 0.3293, 0.3104



30.7475, 0.3525, 0.3388

Sweetspot

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



30.7488, 0.2957, 0.3487



58.4816, 0.3070, 0.3351



31.2557, 0.3224, 0.3761



12.8299, 0.3064, 0.3357



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.



30.7488, 0.2957, 0.3487



54.0905, 0.2922, 0.3534



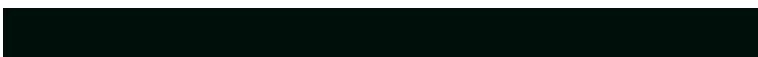
30.3293, 0.2855, 0.3250



7.4630, 0.3041, 0.3384



20.2212, 0.2632, 0.4676



0.3699, 0.2461, 0.4058

Inverse Universe

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



24.5071, 0.3336, 0.3101



40.8763, 0.3391, 0.3058



24.8102, 0.3468, 0.3330



6.6894, 0.3223, 0.3198



6.1380, 0.5274, 0.2679



0.1180, 0.4329, 0.2158

Previews

White Background



This preview shows how the Yxy color 30.7475, 0.2957, 0.3487 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 30.7475, 0.2957, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

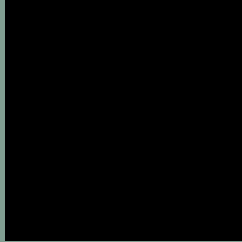
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

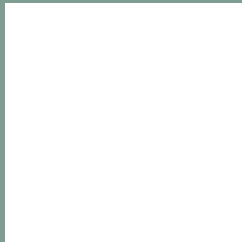
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7475, 0.2957, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 30.7475, 0.2957, 0.3487.



This preview shows how white text looks on a background with the Yxy color 30.7475, 0.2957, 0.3487.

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

30.7475, 0.2957, 0.3487

Protanopia

30.7043, 0.3265, 0.3430

Deuteranopia

30.4644, 0.3331, 0.3261



Tritanopia

30.7699, 0.2816, 0.3100

Trichromacy



Original Color

30.7475, 0.2957, 0.3487

Protanomaly

30.7552, 0.3149, 0.3465

Deuteranomaly

30.2456, 0.3187, 0.3337

Tritanomaly

30.7366, 0.2874, 0.3241

Monochromacy



Original Color

30.7475, 0.2957, 0.3487

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.7840, 0.3063, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7475, 0.2957, 0.3487 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(128, 157, 145)` looks like.

```
.text, #text, p{  
    color:rgb(128, 157, 145)  
}
```

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(128, 157, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 157, 145) }
```

Border

The CSS property to change the border of an element to Yxy 30.7475, 0.2957, 0.3487 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(128, 157, 145) }
```

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

```
.border{ border-color:rgb(128, 157, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 157, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 157, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 157, 145);  
box-shadow:4px 4px 4px 4px rgb(128, 157,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7475, 0.2957, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 157, 145) }
```

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

```
.background{ background-color: rgb(128,  
157, 145) }
```

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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