

Converting Colors

$Yxy(13.0657, 0.2499, 0.3115)$

Have a look what the booklet for
Yxy(13.0657, 0.2499, 0.3115)
contains.

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Color

Yxy(12.9782, 0.2492, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	3D6C74
RGB	61, 108, 116
RGB Percent	24%, 42%, 45%
CMY	0.7607, 0.5765, 0.5451
CMYK	0.47, 0.07, 0.00, 0.55
HSL	189°, 31%, 35%
HSV	189°, 47%, 45%
XYZ	10.4395, 12.9782, 18.4745
YIQ	94.8590, -30.5800, -7.4760

Conversions

Conversions Part 2

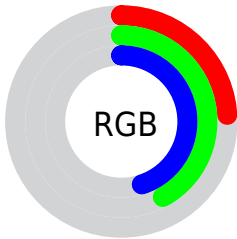
Format	Color
RYB	61, 86, 116
Decimal	4025460
CIELab	42.73, -13.70, -9.46
CIELCh	43, 16.648, 214.640
Yxy	12.9782, 0.2492, 0.3098
Android (android.graphics.Color)	4282215540 (0xFF3D6C74)
YUV	94.8590, 10.4225, -29.6943
Hunter-Lab	36.0253, -11.3178, -5.1874

Details

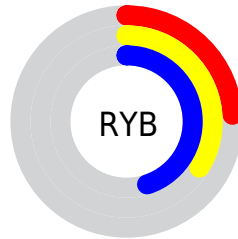
The Yxy color **12.9782, 0.2492, 0.3098** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.3062, 0.4245, 0.3466**, and the grayscale version is **11.3893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4135, 0.2646, 0.3159**, and **3.6813, 0.2188, 0.2959** is the 20% darker color. If you saturate the color by 10%, you get **12.2974, 0.2388, 0.3051**, and if you desaturate by 10%, it is **13.7466, 0.2610, 0.3143**.

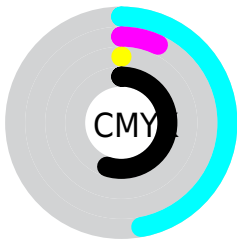
Distribution



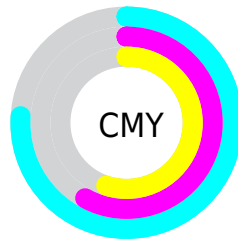
- Red (24%)
- Green (42%)
- Blue (45%)



- Red (24%)
- Yellow (34%)
- Blue (45%)



- Cyan (47%)
- Magenta (7%)
- Yellow (0%)
- Black (55%)



- Cyan (76%)
- Magenta (58%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9782, 0.2492, 0.3098 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 12.9782, 0.2492, 0.3098 by changing the saturation by 10% instead.

12.9782, 0.2492,
0.3098

12.9782, 0.2492,
0.3098

210.7779, 0.2869,
0.3221

7.4135, 0.2370,
0.3052

31.2646, 0.2647,
0.3152

3.7220, 0.2191,
0.2980

44.7552, 0.2700,
0.3169

1.5193, 0.1906,
0.2850

61.6564, 0.2742,
0.3182

0.3023, 0.0000,
0.2337

82.3529, 0.2777,
0.3193

0.0000, 0.0000,
0.0000

107.2288, 0.2805,
0.3202

136.6687, 0.2830,

0.3209

171.0570, 0.2851,
0.3216

■ 12.9782, 0.2492,
0.3098

■ 12.9782, 0.2492,
0.3098

■ 12.2974, 0.2388,
0.3051

■ 13.7466, 0.2610,
0.3143

■ 11.6973, 0.2299,
0.3002

■ 14.6057, 0.2739,
0.3187

■ 11.1727, 0.2228,
0.2953

■ 15.5605, 0.2876,
0.3227

■ 10.7169, 0.2174,
0.2904

■ 16.6151, 0.3019,
0.3264

■ 10.3130, 0.2133,
0.2855

■ 17.7733, 0.3166,
0.3299

■ 10.2099, 0.2123,
0.2842

■ 19.0387, 0.3313,
0.3330

■ 20.4148, 0.3460,
0.3358

■ 21.9049, 0.3604,
0.3382

■ 23.5121, 0.3744,
0.3404

Harmonies

Analogous

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



12.9782, 0.2667, 0.3438



12.9782, 0.2492, 0.3098



12.9782, 0.2477, 0.2839

Triad

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



12.9782, 0.2492, 0.3098



12.9782, 0.3261, 0.2885



12.9782, 0.3637, 0.3888

Complementary

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



12.9782, 0.2492, 0.3098



8.3062, 0.4245, 0.3466

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.



12.9782, 0.3819, 0.3697



12.9782, 0.2492, 0.3098



12.9782, 0.3598, 0.3129

Square

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



12.9782, 0.2492, 0.3098



12.9782, 0.2904, 0.2737



12.9782, 0.3807, 0.3419



12.9782, 0.3322, 0.3919

Rectangle

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



12.9782, 0.2492, 0.3098



12.9782, 0.2557, 0.2741



12.9782, 0.3807, 0.3419



12.9782, 0.3716, 0.3839

Sweetspot

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



12.9787, 0.2492, 0.3098



27.9027, 0.2919, 0.3239



13.9026, 0.2990, 0.4507



6.5814, 0.2894, 0.3232



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.9787, 0.2492, 0.3098



21.5035, 0.2378, 0.3046



8.1639, 0.2372, 0.2410



4.0690, 0.2995, 0.3258



11.4397, 0.2122, 0.2839



54.7795, 0.2115, 0.2813

Inverse Universe

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



8.1342, 0.3321, 0.2333



12.1069, 0.3378, 0.2139



12.3846, 0.3970, 0.4026



3.7492, 0.3157, 0.3111



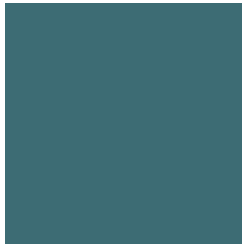
5.1788, 0.3598, 0.1756



25.1394, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 12.9782, 0.2492, 0.3098 looks on a white 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

Black Background



This preview shows how the Yxy color 12.9782, 0.2492, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

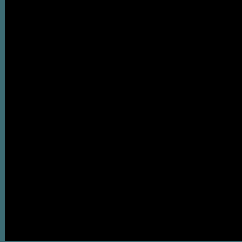
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9782, 0.2492, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 12.9782, 0.2492, 0.3098.



This preview shows how white text looks on a background with the Yxy color 12.9782, 0.2492, 0.3098.

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

12.9782, 0.2492, 0.3098

Protanopia

12.9147, 0.2968, 0.3049

Deuteranopia

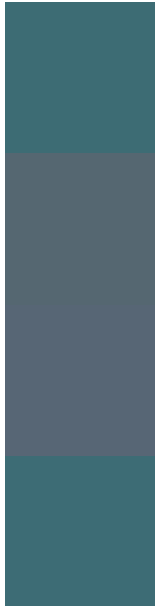
12.8682, 0.2920, 0.2865



Tritanopia

13.0016, 0.2483, 0.3075

Trichromacy



Original Color

12.9782, 0.2492, 0.3098

Protanomaly

12.8240, 0.2764, 0.3061

Deuteranomaly

12.8133, 0.2741, 0.2954

Tritanomaly

13.0016, 0.2483, 0.3075

Monochromacy



Original Color

12.9782, 0.2492, 0.3098

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.9326, 0.2851, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9782, 0.2492, 0.3098 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(61, 108, 116)` looks like.

```
.text, #text, p{  
    color:rgb(61, 108, 116)  
}
```

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(61, 108, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 108, 116) }
```

Border

The CSS property to change the border of an element to Yxy 12.9782, 0.2492, 0.3098 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(61, 108, 116) }
```

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

```
.border{ border-color:rgb(61, 108, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 108, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 108, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 108, 116);  
box-shadow:4px 4px 4px 4px rgb(61, 108,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9782, 0.2492, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 108, 116) }
```

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

```
.background{ background-color: rgb(61, 108,  
116) }
```

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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