

Converting Colors

$Y_{xy}(32.2121, 0.2891, 0.3249)$

Have a look what the booklet for
Yxy(32.2121, 0.2891, 0.3249)
contains.

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Color

Yxy(32.1778, 0.2887, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	879EA1
RGB	135, 158, 161
RGB Percent	53%, 62%, 63%
CMY	0.4705, 0.3804, 0.3686
CMYK	0.16, 0.02, 0.00, 0.37
HSL	187°, 12%, 58%
HSV	187°, 16%, 63%
XYZ	28.6543, 32.1778, 38.4208
YIQ	151.4650, -14.6710, -3.9430

Conversions

Conversions Part 2

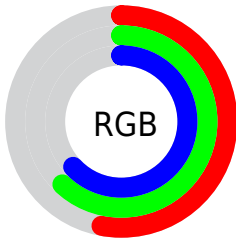
Format	Color
RYB	135, 147, 161
Decimal	8887969
CIELab	63.49, -7.36, -4.28
CIElCh	63, 8.516, 210.158
Yxy	32.1778, 0.2887, 0.3242
Android (android.graphics.Color)	4287078049 (0xFF879EA1)
YUV	151.4650, 4.7008, -14.4398
Hunter-Lab	56.7255, -9.1021, -0.4500

Details

The Yxy color **32.1778, 0.2887, 0.3242** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.5130, 0.3417, 0.3338**, and the grayscale version is **31.1435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3652, 0.2936, 0.3254**, and **13.5725, 0.2805, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **30.3118, 0.2746, 0.3209**, and if you desaturate by 10%, it is **34.2581, 0.3034, 0.3273**.

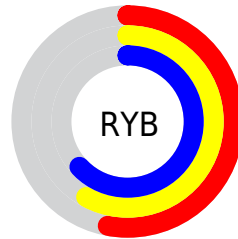
Distribution



Red (53%)

Green (62%)

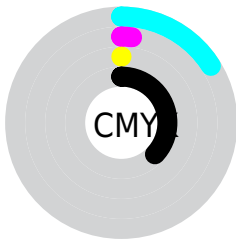
Blue (63%)



Red (53%)

Yellow (58%)

Blue (63%)

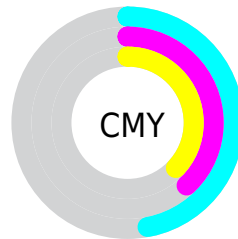


Cyan (16%)

Magenta (2%)

Yellow (0%)

Black (37%)



Cyan (47%)

Magenta (38%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1778, 0.2887, 0.3242 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 32.1778, 0.2887, 0.3242 by changing the saturation by 10% instead.

■ 32.1778, 0.2887,
0.3242

■ 32.1778, 0.2887,
0.3242

■ 311.9284, 0.3014,
0.3269

■ 21.4973, 0.2853,
0.3234

■ 63.0897, 0.2935,
0.3252

■ 13.4880, 0.2808,
0.3224

■ 84.0900, 0.2952,
0.3256

■ 7.7655, 0.2745,
0.3209

■ 109.2989, 0.2967,
0.3259

■ 3.9452, 0.2651,
0.3185

■ 139.1010, 0.2979,
0.3262

■ 1.6430, 0.2497,
0.3143

■ 173.8806, 0.2990,
0.3264

■ 0.3863, 0.1449,
0.2987

■ 214.0221, 0.2999,

■ 0.0000, 0.0000,

0.3266

0.0000

259.9099, 0.3007,
0.3267

■ 32.1778, 0.2887,
0.3242

■ 32.1778, 0.2887,
0.3242

■ 30.3118, 0.2746,
0.3209

■ 34.2581, 0.3034,
0.3273

■ 28.6471, 0.2615,
0.3174

■ 36.5571, 0.3186,
0.3300

■ 27.1751, 0.2497,
0.3137

■ 39.0843, 0.3339,
0.3326

■ 25.8853, 0.2394,
0.3098

■ 41.8473, 0.3491,
0.3348

■ 24.7659, 0.2307,
0.3059

■ 44.8533, 0.3641,
0.3368

■ 23.8039, 0.2239,
0.3019

■ 48.1093, 0.3787,
0.3386

■ 22.9840, 0.2189,
0.2980

■ 51.6218, 0.3928,
0.3401

■ 22.2853, 0.2157,
0.2940

■ 53.6846, 0.3985,
0.3418

■ 22.0296, 0.2146,
0.2925

■ 54.4038, 0.3978,
0.3437

Harmonies

Analogous

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



32.1778, 0.2967, 0.3366



32.1778, 0.2887, 0.3242



32.1778, 0.2870, 0.3135

Triad

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



32.1778, 0.2887, 0.3242



32.1778, 0.3160, 0.3119



32.1778, 0.3336, 0.3511

Complementary

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



32.1778, 0.2887, 0.3242



27.5130, 0.3417, 0.3338

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.



32.1778, 0.3391, 0.3438



32.1778, 0.2887, 0.3242



32.1778, 0.3288, 0.3214

Square

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



32.1778, 0.2887, 0.3242



32.1778, 0.3026, 0.3067



32.1778, 0.3373, 0.3330



32.1778, 0.3225, 0.3524

Rectangle

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



32.1778, 0.2887, 0.3242



32.1778, 0.2897, 0.3087



32.1778, 0.3373, 0.3330



32.1778, 0.3362, 0.3492

Sweetspot

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



32.1791, 0.2887, 0.3242



61.7601, 0.3050, 0.3276



32.4683, 0.3085, 0.3669



13.4880, 0.3040, 0.3274



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.1791, 0.2887, 0.3242



56.5091, 0.2841, 0.3232



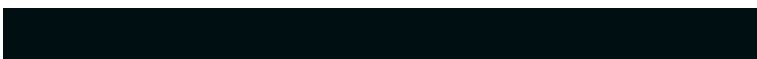
28.1042, 0.2879, 0.3039



7.8706, 0.2988, 0.3263



17.6312, 0.2147, 0.2928



0.4074, 0.2186, 0.3071

Inverse Universe

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



27.3804, 0.3176, 0.2944



46.4678, 0.3187, 0.2874



31.3361, 0.3387, 0.3529



7.1880, 0.3154, 0.3094



7.6240, 0.3518, 0.1712



0.1639, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 32.1778, 0.2887, 0.3242 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 32.1778, 0.2887, 0.3242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

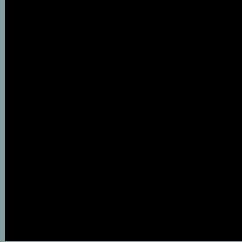
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

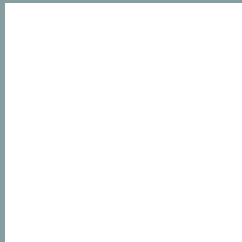
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1778, 0.2887, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 32.1778, 0.2887, 0.3242.

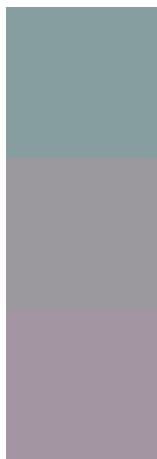


This preview shows how white text looks on a background with the Yxy color 32.1778, 0.2887, 0.3242.

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

32.1778, 0.2887, 0.3242

Protanopia

32.2197, 0.3101, 0.3215

Deuteranopia

32.0317, 0.3147, 0.3086



Tritanopia

32.2969, 0.2839, 0.3104

Trichromacy



Original Color

32.1778, 0.2887, 0.3242

Protanomaly

32.2418, 0.3023, 0.3228

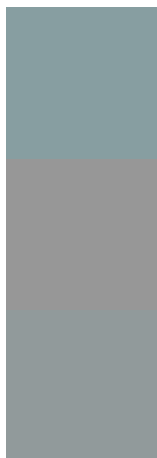
Deuteranomaly

31.8374, 0.3045, 0.3139

Tritanomaly

32.1014, 0.2854, 0.3149

Monochromacy



Original Color

32.1778, 0.2887, 0.3242

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.4975, 0.3030, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1778, 0.2887, 0.3242 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(135, 158, 161)` looks like.

```
.text, #text, p{  
    color:rgb(135, 158, 161)  
}
```

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(135, 158, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 158, 161) }
```

Border

The CSS property to change the border of an element to Yxy 32.1778, 0.2887, 0.3242 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(135, 158, 161) }
```

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

```
.border{ border-color:rgb(135, 158, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 158, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 158, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 158, 161);  
box-shadow:4px 4px 4px 4px rgb(135, 158,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1778, 0.2887, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 158, 161) }
```

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

```
.background{ background-color: rgb(135,  
158, 161) }
```

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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