

Converting Colors

$Y_{xy}(37.1020, 0.2825, 0.3289)$

Have a look what the booklet for
Yxy(37.1020, 0.2825, 0.3289)
contains.

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Color

Yxy(37.2170, 0.2820, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	87ABAB
RGB	135, 171, 171
RGB Percent	53%, 67%, 67%
CMY	0.4704, 0.3294, 0.3294
CMYK	0.21, 0.00, 0.00, 0.33
HSL	180°, 18%, 60%
HSV	180°, 21%, 67%
XYZ	31.9100, 37.2170, 44.0290
YIQ	160.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

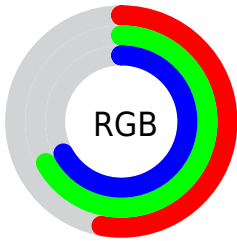
Format	Color
RYB	135, 153, 171
Decimal	8891307
CIELab	67.44, -12.14, -4.03
CIELCh	67, 12.797, 198.378
Yxy	37.2170, 0.2820, 0.3289
Android (android.graphics.Color)	4287081387 (0xFF87ABAB)
YUV	160.2360, 5.3067, -22.1320
Hunter-Lab	61.0057, -13.3929, -0.0867

Details

The Yxy color **37.2170, 0.2820, 0.3289** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.7494, 0.3539, 0.3291**, and the grayscale version is **35.2550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7025, 0.2880, 0.3289**, and **16.4104, 0.2722, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **35.9108, 0.2690, 0.3289**, and if you desaturate by 10%, it is **38.7541, 0.2961, 0.3289**.

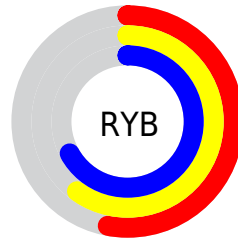
Distribution



Red (53%)

Green (67%)

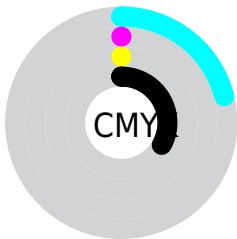
Blue (67%)



Red (53%)

Yellow (60%)

Blue (67%)

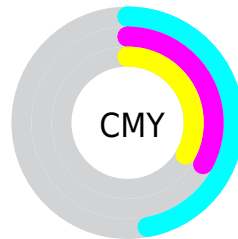


Cyan (21%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2170, 0.2820, 0.3289 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 37.2170, 0.2820, 0.3289 by changing the saturation by 10% instead.


 37.2170, 0.2820,
0.3289


 37.2170, 0.2820,
0.3289

334.2491, 0.2978,
0.3291

 25.3755, 0.2779,
0.3288


 70.9064, 0.2879,
0.3290

 16.3571, 0.2725,
0.3286


 93.5232, 0.2900,
0.3291

 9.7772, 0.2652,
0.3283


 120.5004, 0.2918,
0.3291

 5.2515, 0.2547,
0.3277

152.2227, 0.2934,
0.3291

 2.3956, 0.2382,
0.3264

189.0743, 0.2947,
0.3291

 0.8236, 0.1941,
0.3288

231.4396, 0.2959,

 0.0000, 0.0000,

0.3291

0.0000

279.7031, 0.2969,
0.3291

■ 37.2170, 0.2820,
0.3289

■ 37.2170, 0.2820,
0.3289

■ 35.9108, 0.2690,
0.3289

■ 38.7541, 0.2961,
0.3289

■ 34.8200, 0.2574,
0.3288

■ 40.5276, 0.3111,
0.3290

■ 33.9345, 0.2475,
0.3288

■ 42.5487, 0.3267,
0.3290

■ 33.2414, 0.2394,
0.3288

■ 44.8262, 0.3426,
0.3291

■ 32.7264, 0.2331,
0.3287

■ 47.3687, 0.3585,
0.3291

■ 32.3732, 0.2287,
0.3287

■ 50.1845, 0.3743,
0.3292

■ 32.1626, 0.2260,
0.3287

■ 53.2812, 0.3897,
0.3292

■ 32.0574, 0.2246,
0.3287

■ 53.3309, 0.3899,
0.3292

■ 53.3317, 0.3899,
0.3292

Harmonies

Analogous

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



37.2170, 0.2961, 0.3465



37.2170, 0.2820, 0.3289



37.2170, 0.2760, 0.3120

Triad

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



37.2170, 0.2820, 0.3289



37.2170, 0.3096, 0.3010



37.2170, 0.3469, 0.3572

Complementary

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



37.2170, 0.2820, 0.3289



27.7494, 0.3539, 0.3291

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.



37.2170, 0.3509, 0.3442



37.2170, 0.2820, 0.3289



37.2170, 0.3290, 0.3123

Square

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



37.2170, 0.2820, 0.3289



37.2170, 0.2915, 0.2966



37.2170, 0.3443, 0.3279



37.2170, 0.3336, 0.3630

Rectangle

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



37.2170, 0.2820, 0.3289



37.2170, 0.2772, 0.3034



37.2170, 0.3443, 0.3279



37.2170, 0.3494, 0.3535

Sweetspot

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



37.2185, 0.2820, 0.3289



70.9160, 0.3034, 0.3290



36.0305, 0.3100, 0.3860



15.7704, 0.3025, 0.3290



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.2185, 0.2820, 0.3289



65.5739, 0.2761, 0.3289



30.8840, 0.2801, 0.3010



9.0719, 0.2987, 0.3290



24.1668, 0.2246, 0.3287



0.6724, 0.2247, 0.3287

Inverse Universe

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



28.9377, 0.3151, 0.2779



48.1850, 0.3156, 0.2671



33.1977, 0.3487, 0.3555



8.1481, 0.3138, 0.3067



8.7427, 0.3210, 0.1542



0.2432, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.2170, 0.2820, 0.3289 looks on a white background.

Color Contrast Check

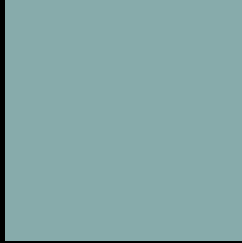
Large Text (above 18pt) WCAG AA × Fail

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 37.2170, 0.2820, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

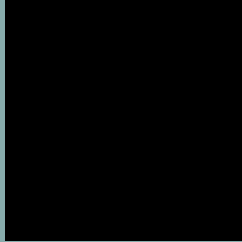
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2170, 0.2820, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 37.2170, 0.2820, 0.3289.

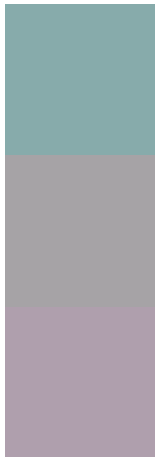


This preview shows how white text looks on a background with the Yxy color 37.2170, 0.2820, 0.3289.

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

37.2170, 0.2820, 0.3289

Protanopia

37.0546, 0.3129, 0.3247

Deuteranopia

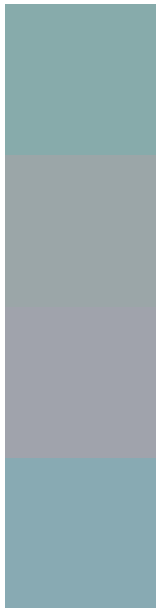
36.9274, 0.3155, 0.3097



Tritanopia

37.1132, 0.2745, 0.3083

Trichromacy



Original Color

37.2170, 0.2820, 0.3289

Protanomaly

37.0682, 0.3010, 0.3261

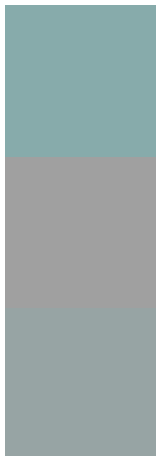
Deuteranomaly

36.6465, 0.3022, 0.3161

Tritanomaly

37.2384, 0.2768, 0.3155

Monochromacy



Original Color

37.2170, 0.2820, 0.3289

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8106, 0.3007, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2170, 0.2820, 0.3289 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, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 171)  
}
```

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, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 171) }
```

Border

The CSS property to change the border of an element to Yxy 37.2170, 0.2820, 0.3289 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, 171, 171) }
```

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

```
.border{ border-color:rgb(135, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2170, 0.2820, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 171) }
```

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

```
.background{ background-color: rgb(135,  
171, 171) }
```

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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