

Converting Colors

$Yxy(36.8437, 0.2898, 0.3401)$

Have a look what the booklet for
Yxy(36.8437, 0.2898, 0.3401)
contains.

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Color

Yxy(36.7122, 0.2896, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	89AAA3
RGB	137, 170, 163
RGB Percent	54%, 67%, 64%
CMY	0.4626, 0.3334, 0.3608
CMYK	0.19, 0.00, 0.04, 0.33
HSL	167°, 16%, 60%
HSV	167°, 19%, 67%
XYZ	31.3070, 36.7122, 40.0851
YIQ	159.3350, -17.4210, -9.1730

Conversions

Conversions Part 2

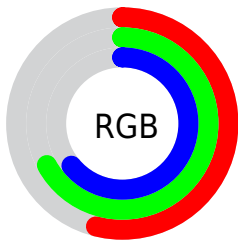
Format	Color
RYB	137, 155, 170
Decimal	9022115
CIELab	67.06, -12.71, -0.13
CIElCh	67, 12.714, 180.601
Yxy	36.7122, 0.2896, 0.3396
Android (android.graphics.Color)	4287212195 (0xFF89AAA3)
YUV	159.3350, 1.8068, -19.5878
Hunter-Lab	60.5906, -13.8031, 3.1888

Details

The Yxy color **36.7122, 0.2896, 0.3396** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4639, 0.3422, 0.3187**, and the grayscale version is **34.8339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9887, 0.2940, 0.3370**, and **16.0830, 0.2822, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **35.2603, 0.2787, 0.3458**, and if you desaturate by 10%, it is **38.3972, 0.3013, 0.3339**.

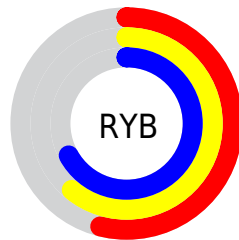
Distribution



Red (54%)

Green (67%)

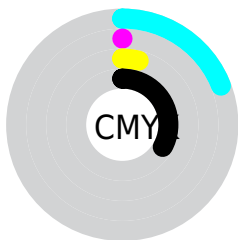
Blue (64%)



Red (54%)

Yellow (61%)

Blue (67%)

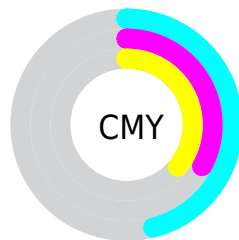


Cyan (19%)

Magenta (0%)

Yellow (4%)

Black (33%)



Cyan (46%)

Magenta (33%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7122, 0.2896, 0.3396 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 36.7122, 0.2896, 0.3396 by changing the saturation by 10% instead.

 36.7122, 0.2896,
0.3396


 36.7122, 0.2896,
0.3396


332.0628, 0.3016,
0.3341

 24.9847, 0.2865,
0.3410


 70.1299, 0.2941,
0.3376

 16.0657, 0.2823,
0.3429


 92.5890, 0.2957,
0.3368

 9.5706, 0.2766,
0.3455


 119.3940, 0.2971,
0.3362

 5.1152, 0.2683,
0.3493

150.9294, 0.2983,
0.3356

 2.3150, 0.2551,
0.3553

187.5796, 0.2993,
0.3352

 0.7816, 0.2085,
0.3768

229.7290, 0.3002,

 0.0000, 0.0000,

0.3348

0.0000

277.7619, 0.3009,
0.3344

■ 36.7122, 0.2896,
0.3396

■ 36.7122, 0.2896,
0.3396

■ 35.2603, 0.2787,
0.3458

■ 38.3972, 0.3013,
0.3339

■ 34.0264, 0.2689,
0.3525

■ 40.3206, 0.3135,
0.3287

■ 33.0006, 0.2604,
0.3595

■ 42.4933, 0.3259,
0.3240

■ 32.1702, 0.2534,
0.3669

■ 44.9241, 0.3385,
0.3198

■ 31.5215, 0.2483,
0.3745

■ 47.6215, 0.3509,
0.3162

■ 31.0388, 0.2450,
0.3822

■ 50.5933, 0.3631,
0.3129

■ 30.7037, 0.2437,
0.3899

■ 53.6496, 0.3740,
0.3100

■ 30.4789, 0.2439,
0.3975

■ 53.8076, 0.3707,
0.3063

■ 30.4659, 0.2439,
0.3980

■ 53.9694, 0.3673,
0.3026

Harmonies

Analogous

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



36.7122, 0.3070, 0.3549



36.7122, 0.2896, 0.3396



36.7122, 0.2785, 0.3216

Triad

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



36.7122, 0.2896, 0.3396



36.7122, 0.2984, 0.2975



36.7122, 0.3505, 0.3501

Complementary

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



36.7122, 0.2896, 0.3396



28.4639, 0.3422, 0.3187

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.



36.7122, 0.3482, 0.3347



36.7122, 0.2896, 0.3396



36.7122, 0.3176, 0.3050

Square

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



36.7122, 0.2896, 0.3396



36.7122, 0.2835, 0.2979



36.7122, 0.3360, 0.3184



36.7122, 0.3423, 0.3606

Rectangle

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



36.7122, 0.2896, 0.3396



36.7122, 0.2760, 0.3109



36.7122, 0.3360, 0.3184



36.7122, 0.3509, 0.3453

Sweetspot

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



36.7137, 0.2896, 0.3396



70.7668, 0.3052, 0.3321



36.5006, 0.3168, 0.3800



15.7338, 0.3045, 0.3325



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.



36.7137, 0.2896, 0.3396



65.5051, 0.2851, 0.3420



33.5946, 0.2834, 0.3146



8.5044, 0.3014, 0.3338



22.4210, 0.2437, 0.3972



0.5522, 0.2367, 0.3720

Inverse Universe

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



28.4639, 0.3422, 0.3187



47.9288, 0.3500, 0.3164



31.0278, 0.3474, 0.3429



7.5674, 0.3254, 0.3242



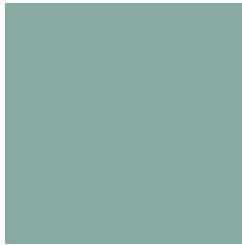
6.3876, 0.6003, 0.3080



0.1624, 0.5154, 0.2613

Previews

White Background



This preview shows how the Yxy color 36.7122, 0.2896, 0.3396 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 36.7122, 0.2896, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

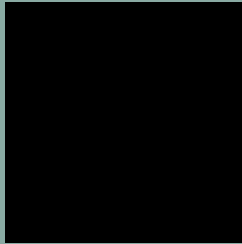
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

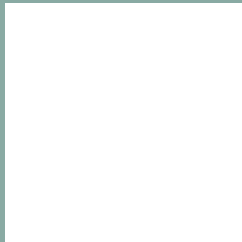
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7122, 0.2896, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 36.7122, 0.2896, 0.3396.



This preview shows how white text looks on a background with the Yxy color 36.7122, 0.2896, 0.3396.

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

36.7122, 0.2896, 0.3396

Protanopia

36.5594, 0.3202, 0.3333

Deuteranopia

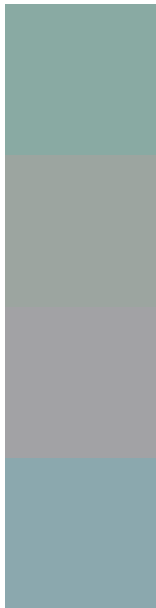
36.5540, 0.3239, 0.3180



Tritanopia

36.5491, 0.2781, 0.3083

Trichromacy



Original Color

36.7122, 0.2896, 0.3396

Protanomaly

36.5163, 0.3087, 0.3363

Deuteranomaly

36.2387, 0.3101, 0.3247

Tritanomaly

36.5502, 0.2827, 0.3199

Monochromacy



Original Color

36.7122, 0.2896, 0.3396

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3118, 0.3041, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7122, 0.2896, 0.3396 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(137, 170, 163)` looks like.

```
.text, #text, p{  
    color:rgb(137, 170, 163)  
}
```

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(137, 170, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 170, 163) }
```

Border

The CSS property to change the border of an element to Yxy 36.7122, 0.2896, 0.3396 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(137, 170, 163) }
```

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

```
.border{ border-color:rgb(137, 170, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 170, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 170, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 170, 163);  
box-shadow:4px 4px 4px 4px rgb(137, 170,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7122, 0.2896, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 170, 163) }
```

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

```
.background{ background-color: rgb(137,  
170, 163) }
```

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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