

Converting Colors

$Y_{xy}(36.3204, 0.2953, 0.3617)$

Have a look what the booklet for
Yxy(36.3204, 0.2953, 0.3617)
contains.

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Color

Yxy(36.2334, 0.2955, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	84AB96
RGB	132, 171, 150
RGB Percent	52%, 67%, 59%
CMY	0.4825, 0.3294, 0.4118
CMYK	0.23, 0.00, 0.12, 0.33
HSL	148°, 19%, 59%
HSV	148°, 23%, 67%
XYZ	29.5773, 36.2334, 34.2816
YIQ	156.9450, -16.5030, -14.7990

Conversions

Conversions Part 2

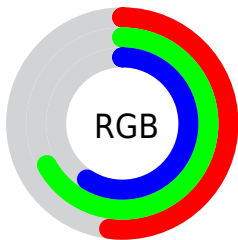
Format	Color
RYB	132, 159, 171
Decimal	8694678
CIELab	66.70, -17.63, 6.52
CIElCh	67, 18.798, 159.698
Yxy	36.2334, 0.2955, 0.3620
Android (android.graphics.Color)	4286884758 (0xFF84AB96)
YUV	156.9450, -3.4239, -21.8768
Hunter-Lab	60.1942, -17.6313, 8.3693

Details

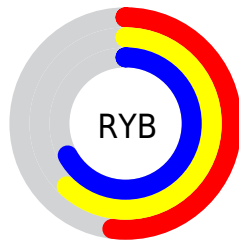
The Yxy color **36.2334, 0.2955, 0.3620** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.4497, 0.3345, 0.2982**, and the grayscale version is **33.7087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1914, 0.2993, 0.3549**, and **15.8883, 0.2905, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **34.6828, 0.2886, 0.3790**, and if you desaturate by 10%, it is **38.0363, 0.3029, 0.3465**.

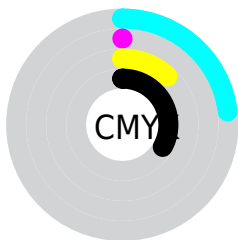
Distribution



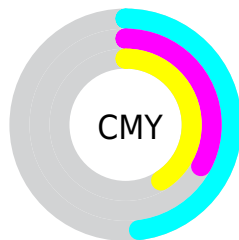
- Red (52%)
- Green (67%)
- Blue (59%)



- Red (52%)
- Yellow (62%)
- Blue (67%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (33%)



- Cyan (48%)
- Magenta (33%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2334, 0.2955, 0.3620 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 36.2334, 0.2955, 0.3620 by changing the saturation by 10% instead.


 36.2334, 0.2955,
0.3620

 36.2334, 0.2955,
0.3620


329.9795, 0.3047,
0.3444


 24.6145, 0.2930,
0.3668


 69.3922, 0.2990,
0.3553

 15.7901, 0.2897,
0.3732

 91.7008, 0.3002,
0.3529

 9.3757, 0.2851,
0.3822


 118.3415, 0.3013,
0.3509

 4.9871, 0.2781,
0.3957

149.6987, 0.3022,
0.3492

 2.2397, 0.2664,
0.4185

186.1566, 0.3029,
0.3478

 0.7415, 0.2007,
0.5423

228.0999, 0.3036,

 0.0000, 0.0000,

0.3465

0.0000

275.9127, 0.3041,
0.3454

■ 36.2334, 0.2955,
0.3620

■ 36.2334, 0.2955,
0.3620

■ 34.6828, 0.2886,
0.3790

■ 38.0363, 0.3029,
0.3465

■ 33.3685, 0.2825,
0.3975

■ 40.0977, 0.3105,
0.3327

■ 32.2795, 0.2774,
0.4172

■ 42.4293, 0.3182,
0.3203

■ 31.4021, 0.2738,
0.4377

■ 45.0407, 0.3258,
0.3094

■ 30.7211, 0.2718,
0.4587

■ 47.9409, 0.3332,
0.2998

■ 30.2191, 0.2718,
0.4793

■ 51.1387, 0.3404,
0.2914

■ 29.8757, 0.2736,
0.4991

■ 54.6423, 0.3472,
0.2841

■ 29.6950, 0.2757,
0.5125

■ 55.7543, 0.3420,
0.2755

■ 56.2665, 0.3343,
0.2668

Harmonies

Analogous

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



36.2334, 0.3239, 0.3777



36.2334, 0.2955, 0.3620



36.2334, 0.2724, 0.3364

Triad

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



36.2334, 0.2955, 0.3620



36.2334, 0.2752, 0.2819



36.2334, 0.3684, 0.3440

Complementary

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



36.2334, 0.2955, 0.3620



27.4497, 0.3345, 0.2982

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.



36.2334, 0.3542, 0.3201



36.2334, 0.2955, 0.3620



36.2334, 0.2995, 0.2853

Square

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



36.2334, 0.2955, 0.3620



36.2334, 0.2611, 0.2904



36.2334, 0.3285, 0.2991



36.2334, 0.3668, 0.3654

Rectangle

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



36.2334, 0.2955, 0.3620



36.2334, 0.2628, 0.3183



36.2334, 0.3285, 0.2991



36.2334, 0.3653, 0.3360

Sweetspot

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



36.2349, 0.2955, 0.3620



70.1596, 0.3072, 0.3384



37.6112, 0.3295, 0.3880



15.5986, 0.3068, 0.3392



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.



36.2349, 0.2955, 0.3620



63.5392, 0.2922, 0.3697



36.9003, 0.2810, 0.3319



8.9986, 0.3056, 0.3415



22.3918, 0.2752, 0.5107



0.6340, 0.2587, 0.4512

Inverse Universe

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



27.4497, 0.3345, 0.2982



45.2333, 0.3401, 0.2917



26.8689, 0.3562, 0.3262



8.0848, 0.3205, 0.3169



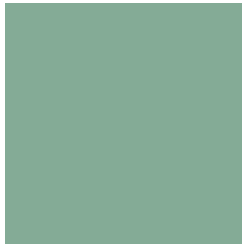
7.1210, 0.4766, 0.2399



0.2090, 0.4177, 0.2075

Previews

White Background



This preview shows how the Yxy color 36.2334, 0.2955, 0.3620 looks on a white background.

Color Contrast Check

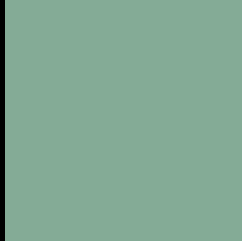
Large Text (above 18pt) WCAG AA × Fail

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 36.2334, 0.2955, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

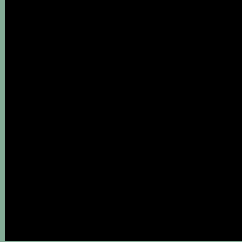
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2334, 0.2955, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 36.2334, 0.2955, 0.3620.



This preview shows how white text looks on a background with the Yxy color 36.2334, 0.2955, 0.3620.

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

36.2334, 0.2955, 0.3620

Protanopia

35.9691, 0.3351, 0.3522

Deuteranopia

35.9006, 0.3406, 0.3333



Tritanopia

36.3360, 0.2773, 0.3096

Trichromacy



Original Color

36.2334, 0.2955, 0.3620

Protanomaly

36.0848, 0.3199, 0.3559

Deuteranomaly

35.5433, 0.3227, 0.3422

Tritanomaly

36.1041, 0.2840, 0.3274

Monochromacy



Original Color

36.2334, 0.2955, 0.3620

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.4697, 0.3065, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2334, 0.2955, 0.3620 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(132, 171, 150)` looks like.

```
.text, #text, p{  
    color:rgb(132, 171, 150)  
}
```

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(132, 171, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 171, 150) }
```

Border

The CSS property to change the border of an element to Yxy 36.2334, 0.2955, 0.3620 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(132, 171, 150) }
```

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

```
.border{ border-color:rgb(132, 171, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 171, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 171, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 171, 150);  
box-shadow:4px 4px 4px 4px rgb(132, 171,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2334, 0.2955, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 171, 150) }
```

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

```
.background{ background-color: rgb(132,  
171, 150) }
```

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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