

Converting Colors

$Yxy(33.6995, 0.2624, 0.3666)$

Have a look what the booklet for
Yxy(33.6995, 0.2624, 0.3666)
contains.

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Color

Yxy(33.6855, 0.2623, 0.3667)

Conversions

Conversions Part 1

Format	Color
Hex	56AC96
RGB	86, 172, 150
RGB Percent	34%, 67%, 59%
CMY	0.6627, 0.3255, 0.4118
CMYK	0.50, 0.00, 0.13, 0.33
HSL	165°, 34%, 51%
HSV	165°, 50%, 67%
XYZ	24.0952, 33.6855, 34.0805
YIQ	143.7780, -44.1940, -25.0740

Conversions

Conversions Part 2

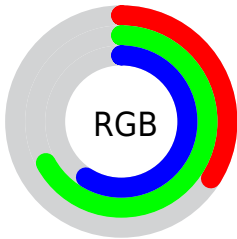
Format	Color
RYB	86, 135, 172
Decimal	5680278
CIELab	64.71, -31.45, 3.37
CIELCh	65, 31.630, 173.892
Yxy	33.6855, 0.2623, 0.3667
Android (android.graphics.Color)	4283870358 (0xFF56AC96)
YUV	143.7780, 3.0674, -50.6713
Hunter-Lab	58.0392, -27.4637, 5.8125

Details

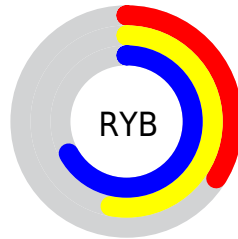
The Yxy color **33.6855, 0.2623, 0.3667** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.5121, 0.4136, 0.2963**, and the grayscale version is **27.7982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5092, 0.2722, 0.3594**, and **14.3012, 0.2458, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **32.8269, 0.2558, 0.3758**, and if you desaturate by 10%, it is **34.7485, 0.2703, 0.3580**.

Distribution



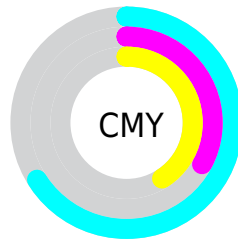
- Red (34%)
- Green (67%)
- Blue (59%)



- Red (34%)
- Yellow (53%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)





- Cyan (66%)
- Magenta (33%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6855, 0.2623, 0.3667 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 33.6855, 0.2623, 0.3667 by changing the saturation by 10% instead.

 33.6855, 0.2623,
0.3667


 33.6855, 0.2623,
0.3667


318.7274, 0.2889,
0.3465

 22.6521, 0.2552,
0.3722


 65.4443, 0.2723,
0.3590

 14.3368, 0.2457,
0.3796


 86.9385, 0.2760,
0.3563

 8.3553, 0.2326,
0.3900

 112.6884, 0.2790,
0.3540

 4.3231, 0.2132,
0.4057

 143.0784, 0.2816,
0.3520

 1.8559, 0.1816,
0.4320

178.4929, 0.2838,
0.3503

 0.5217, 0.0000,
0.6106

219.3163, 0.2858,

 0.0000, 0.0000,

0.3489

0.0000

265.9330, 0.2874,
0.3477

■ 33.6855, 0.2623,
0.3667

■ 33.6855, 0.2623,
0.3667

■ 32.8269, 0.2558,
0.3758

■ 34.7485, 0.2703,
0.3580

■ 32.1544, 0.2512,
0.3851

■ 36.0250, 0.2797,
0.3499

■ 31.6530, 0.2484,
0.3946


■ 37.5281, 0.2900,
0.3423

■ 31.3035, 0.2475,
0.4040


■ 39.2688, 0.3011,
0.3353

■ 31.0639, 0.2482,
0.4134

■ 41.2573, 0.3127,
0.3290

 31.0638, 0.2482,
0.4134

 43.5034, 0.3245,
0.3233

 46.0161, 0.3364,
0.3182

 48.8041, 0.3482,
0.3138

 51.8757, 0.3597,
0.3098

Harmonies

Analogous

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



33.6855, 0.3069, 0.4060



33.6855, 0.2623, 0.3667



33.6855, 0.2325, 0.3174

Triad

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



33.6855, 0.2623, 0.3667



33.6855, 0.2663, 0.2514



33.6855, 0.4111, 0.3698

Complementary

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



33.6855, 0.2623, 0.3667



16.5121, 0.4136, 0.2963

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.



33.6855, 0.3996, 0.3308



33.6855, 0.2623, 0.3667



33.6855, 0.3124, 0.2657

Square

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



33.6855, 0.2623, 0.3667



33.6855, 0.2349, 0.2545



33.6855, 0.3622, 0.2939



33.6855, 0.3940, 0.4027

Rectangle

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



33.6855, 0.2623, 0.3667



33.6855, 0.2239, 0.2886



33.6855, 0.3622, 0.2939



33.6855, 0.4105, 0.3570

Sweetspot

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



33.6868, 0.2623, 0.3667



69.5159, 0.2952, 0.3389



33.4259, 0.3237, 0.4760



14.9702, 0.2930, 0.3404



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.



33.6868, 0.2623, 0.3667



59.4028, 0.2552, 0.3768



27.3943, 0.2419, 0.2945



9.0365, 0.3019, 0.3349



23.1249, 0.2479, 0.4125



0.6515, 0.2400, 0.3841

Inverse Universe

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



16.5121, 0.4136, 0.2963



24.6443, 0.4505, 0.2910



19.7672, 0.4338, 0.3595



8.0478, 0.3248, 0.3232



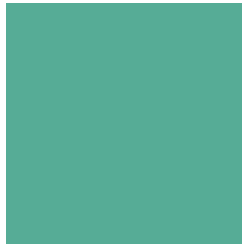
6.6701, 0.5873, 0.3009



0.1944, 0.5026, 0.2542

Previews

White Background



This preview shows how the Yxy color 33.6855, 0.2623, 0.3667 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 33.6855, 0.2623, 0.3667 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 33.6855, 0.2623, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 33.6855, 0.2623, 0.3667.



This preview shows how white text looks on a background with the Yxy color 33.6855, 0.2623, 0.3667.

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

33.6855, 0.2623, 0.3667

Protanopia

33.3814, 0.3328, 0.3515

Deuteranopia

33.2370, 0.3313, 0.3247



Tritanopia

33.7744, 0.2468, 0.3080

Trichromacy



Original Color

33.6855, 0.2623, 0.3667

Protanomaly

32.9226, 0.3021, 0.3579

Deuteranomaly

32.7589, 0.3009, 0.3384

Tritanomaly

33.5535, 0.2521, 0.3272

Monochromacy



Original Color

33.6855, 0.2623, 0.3667

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.3975, 0.2901, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6855, 0.2623, 0.3667 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(86, 172, 150)` looks like.

```
.text, #text, p{  
    color:rgb(86, 172, 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(86, 172, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 172, 150) }
```

Border

The CSS property to change the border of an element to Yxy 33.6855, 0.2623, 0.3667 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(86, 172, 150) }
```

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

```
.border{ border-color:rgb(86, 172, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 172, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 172, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 172, 150);  
box-shadow:4px 4px 4px 4px rgb(86, 172,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6855, 0.2623, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 172, 150) }
```

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

```
.background{ background-color: rgb(86, 172,  
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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