

Converting Colors

$Yxy(34.8485, 0.2757, 0.3758)$

Have a look what the booklet for
Yxy(34.8485, 0.2757, 0.3758)
contains.

Yxy(34.7563, 0.2762, 0.3760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.7563, 0.2762, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	66AD91
RGB	102, 173, 145
RGB Percent	40%, 68%, 57%
CMY	0.6001, 0.3215, 0.4314
CMYK	0.41, 0.00, 0.16, 0.32
HSL	156°, 30%, 54%
HSV	156°, 41%, 68%
XYZ	25.5311, 34.7563, 32.1496
YIQ	148.5790, -33.3280, -23.7600

Conversions

Conversions Part 2

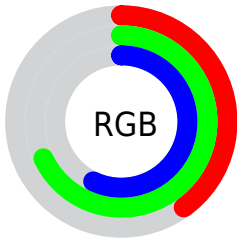
Format	Color
RYB	102, 146, 173
Decimal	6729105
CIELab	65.56, -28.93, 7.44
CIELCh	66, 29.874, 165.581
Yxy	34.7563, 0.2762, 0.3760
Android (android.graphics.Color)	4284919185 (0xFF66AD91)
YUV	148.5790, -1.7644, -40.8498
Hunter-Lab	58.9545, -25.8683, 8.9356

Details

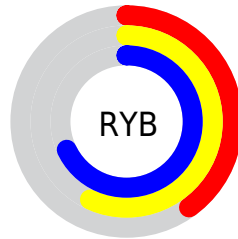
The Yxy color **34.7563, 0.2762, 0.3760** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9935, 0.3737, 0.2872**, and the grayscale version is **29.8848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2301, 0.2835, 0.3663**, and **14.9121, 0.2635, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **33.6463, 0.2696, 0.3899**, and if you desaturate by 10%, it is **36.0927, 0.2840, 0.3630**.

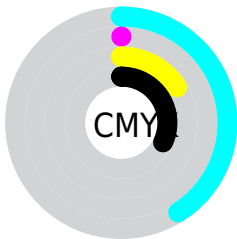
Distribution



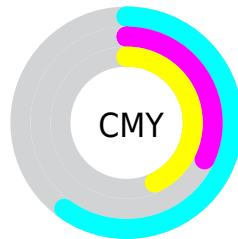
- Red (40%)
- Green (68%)
- Blue (57%)



- Red (40%)
- Yellow (57%)
- Blue (68%)



- Cyan (41%)
- Magenta (0%)
- Yellow (16%)
- Black (32%)




- Cyan (60%)
- Magenta (32%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7563, 0.2762, 0.3760 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 34.7563, 0.2762, 0.3760 by changing the saturation by 10% instead.


 34.7563, 0.2762,
0.3760

 34.7563, 0.2762,
0.3760


323.4913, 0.2957,
0.3506

 23.4752, 0.2709,
0.3830


 67.1081, 0.2836,
0.3663

 14.9448, 0.2638,
0.3925


 88.9475, 0.2863,
0.3628

 8.7806, 0.2539,
0.4060


 115.0752, 0.2885,
0.3599

 4.5984, 0.2390,
0.4266

 145.8756, 0.2904,
0.3575

 2.0136, 0.2143,
0.4620

181.7330, 0.2920,
0.3554

 0.6154, 0.0000,
0.8041

223.0318, 0.2934,

 0.0000, 0.0000,

0.3536

0.0000

270.1565, 0.2946,
0.3520

■ 34.7563, 0.2762,
0.3760

■ 34.7563, 0.2762,
0.3760

■ 33.6463, 0.2696,
0.3899

■ 36.0927, 0.2840,
0.3630

■ 32.7451, 0.2645,
0.4045

■ 37.6635, 0.2927,
0.3509

■ 32.0389, 0.2611,
0.4196


■ 39.4815, 0.3020,
0.3399


■ 31.5110, 0.2597,
0.4348

■ 41.5574, 0.3117,
0.3300


■ 31.1411, 0.2602,
0.4499

■ 43.9012, 0.3215,
0.3211

 30.9060, 0.2620,
0.4631

 46.5223, 0.3312,
0.3132

 49.4297, 0.3408,
0.3063

 52.6320, 0.3501,
0.3002

 55.6258, 0.3568,
0.2946

Harmonies

Analogous

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



34.7563, 0.3203, 0.4066



34.7563, 0.2762, 0.3760



34.7563, 0.2435, 0.3309

Triad

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



34.7563, 0.2762, 0.3760



34.7563, 0.2594, 0.2551



34.7563, 0.4044, 0.3578

Complementary

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



34.7563, 0.2762, 0.3760



19.9935, 0.3737, 0.2872

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.



34.7563, 0.3862, 0.3209



34.7563, 0.2762, 0.3760



34.7563, 0.2997, 0.2642

Square

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



34.7563, 0.2762, 0.3760



34.7563, 0.2346, 0.2632



34.7563, 0.3467, 0.2877



34.7563, 0.3957, 0.3910

Rectangle

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



34.7563, 0.2762, 0.3760



34.7563, 0.2315, 0.3020



34.7563, 0.3467, 0.2877



34.7563, 0.4013, 0.3455

Sweetspot

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



34.7577, 0.2762, 0.3760



70.3046, 0.3009, 0.3411



35.6255, 0.3315, 0.4438



15.1868, 0.2998, 0.3424



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.



34.7577, 0.2762, 0.3760



60.4718, 0.2703, 0.3882



33.0783, 0.2556, 0.3173



9.0178, 0.3037, 0.3381



22.7141, 0.2615, 0.4615



0.6422, 0.2490, 0.4165

Inverse Universe

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



19.9935, 0.3737, 0.2872



30.5081, 0.3936, 0.2787



20.7972, 0.4105, 0.3400



8.0657, 0.3227, 0.3201



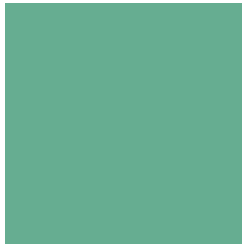
6.8459, 0.5362, 0.2728



0.2014, 0.4562, 0.2287

Previews

White Background



This preview shows how the Yxy color 34.7563, 0.2762, 0.3760 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 34.7563, 0.2762, 0.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

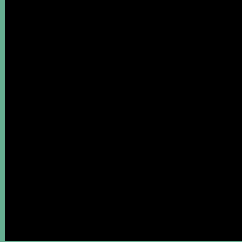
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7563, 0.2762, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 34.7563, 0.2762, 0.3760.



This preview shows how white text looks on a background with the Yxy color 34.7563, 0.2762, 0.3760.

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

34.7563, 0.2762, 0.3760

Protanopia

34.3669, 0.3403, 0.3601

Deuteranopia

34.2995, 0.3411, 0.3348



Tritanopia

34.7210, 0.2568, 0.3086

Trichromacy



Original Color

34.7563, 0.2762, 0.3760

Protanomaly

33.9275, 0.3138, 0.3652

Deuteranomaly

33.7638, 0.3138, 0.3474

Tritanomaly

34.7647, 0.2639, 0.3321

Monochromacy



Original Color

34.7563, 0.2762, 0.3760

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.4974, 0.2968, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7563, 0.2762, 0.3760 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(102, 173, 145)` looks like.

```
.text, #text, p{  
    color:rgb(102, 173, 145)  
}
```

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(102, 173, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 173, 145) }
```

Border

The CSS property to change the border of an element to Yxy 34.7563, 0.2762, 0.3760 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(102, 173, 145) }
```

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

```
.border{ border-color:rgb(102, 173, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 173, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 173, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 173, 145);  
box-shadow:4px 4px 4px 4px rgb(102, 173,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7563, 0.2762, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 173, 145) }
```

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

```
.background{ background-color: rgb(102,  
173, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor