

Converting Colors

$Y_{xy}(21.7860, 0.2956, 0.3675)$

Have a look what the booklet for
Yxy(21.7860, 0.2956, 0.3675)
contains.

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Color

Yxy(21.7175, 0.2950, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	668875
RGB	102, 136, 117
RGB Percent	40%, 53%, 46%
CMY	0.5999, 0.4667, 0.5413
CMYK	0.25, 0.00, 0.14, 0.47
HSL	146°, 14%, 47%
HSV	146°, 25%, 53%
XYZ	17.4950, 21.7175, 20.0925
YIQ	123.6680, -14.1650, -13.1170

Conversions

Conversions Part 2

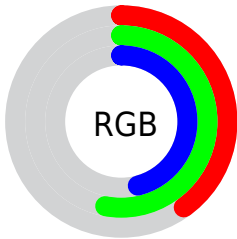
Format	Color
RYB	102, 126, 136
Decimal	6719605
CIELab	53.73, -16.12, 6.35
CIELCh	54, 17.328, 158.494
Yxy	21.7175, 0.2950, 0.3662
Android (android.graphics.Color)	4284909685 (0xFF668875)
YUV	123.6680, -3.2873, -19.0028
Hunter-Lab	46.6020, -14.5425, 7.0585

Details

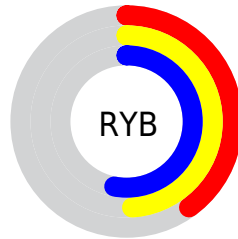
The Yxy color $21.7175, 0.2950, 0.3662$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.1222, 0.3355, 0.2946$, and the grayscale version is $20.0555, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.1298, 0.2994, 0.3570$, and $7.8695, 0.2871, 0.3815$ is the 20% darker color. If you saturate the color by 10%, you get $20.8159, 0.2886, 0.3839$, and if you desaturate by 10%, it is $22.7659, 0.3019, 0.3501$.

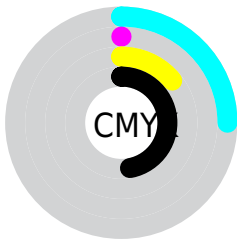
Distribution



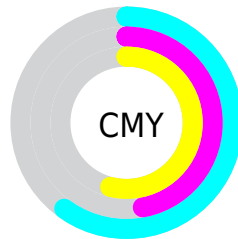
- Red (40%)
- Green (53%)
- Blue (46%)



- Red (40%)
- Yellow (49%)
- Blue (53%)



- Cyan (25%)
- Magenta (0%)
- Yellow (14%)
- Black (47%)





- Cyan (60%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7175, 0.2950, 0.3662 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 21.7175, 0.2950, 0.3662 by changing the saturation by 10% instead.


 21.7175, 0.2950,
0.3662


 21.7175, 0.2950,
0.3662


261.0674, 0.3052,
0.3448


 13.6495, 0.2919,
0.3728


 46.2786, 0.2991,
0.3576

 7.8773, 0.2874,
0.3823


 63.5405, 0.3005,
0.3546

 4.0165, 0.2804,
0.3969

 84.6359, 0.3017,
0.3522

 1.6828, 0.2682,
0.4225

 109.9490, 0.3026,
0.3502

 0.4125, 0.0000,
0.9880

139.8643, 0.3034,
0.3485

 0.0000, 0.0000,
0.0000

174.7662, 0.3041,

0.3471

215.0391, 0.3047,
0.3459

■ 21.7175, 0.2950,
0.3662

■ 21.7175, 0.2950,
0.3662

■ 20.8159, 0.2886,
0.3839

■ 22.7659, 0.3019,
0.3501

■ 20.0516, 0.2829,
0.4029

■ 23.9645, 0.3091,
0.3356

■ 19.4184, 0.2783,
0.4232

■ 25.3203, 0.3163,
0.3227

■ 18.9082, 0.2750,
0.4442

■ 26.8386, 0.3235,
0.3113

■ 18.5123, 0.2734,
0.4655

■ 28.5249, 0.3305,
0.3012

■ 18.2206, 0.2736,
0.4864

■ 30.3841, 0.3373,
0.2923

■ 18.0193, 0.2755,
0.5063

■ 32.4212, 0.3437,
0.2845

■ 17.9336, 0.2766,
0.5159

■ 34.6406, 0.3499,
0.2777

■ 37.0469, 0.3557,
0.2718

Harmonies

Analogous

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



21.7175, 0.3261, 0.3828



21.7175, 0.2950, 0.3662



21.7175, 0.2695, 0.3382

Triad

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



21.7175, 0.2950, 0.3662



21.7175, 0.2709, 0.2779



21.7175, 0.3733, 0.3441

Complementary

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



21.7175, 0.2950, 0.3662



16.1222, 0.3355, 0.2946

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.



21.7175, 0.3571, 0.3181



21.7175, 0.2950, 0.3662



21.7175, 0.2970, 0.2811

Square

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



21.7175, 0.2950, 0.3662



21.7175, 0.2562, 0.2874



21.7175, 0.3287, 0.2956



21.7175, 0.3722, 0.3678

Rectangle

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



21.7175, 0.2950, 0.3662



21.7175, 0.2588, 0.3182



21.7175, 0.3287, 0.2956



21.7175, 0.3697, 0.3354

Sweetspot

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



21.7184, 0.2950, 0.3662



41.7513, 0.3075, 0.3386



22.6532, 0.3314, 0.3925



9.6451, 0.3072, 0.3393



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.7184, 0.2950, 0.3662



37.3421, 0.2913, 0.3760



22.1484, 0.2794, 0.3332



5.6424, 0.3061, 0.3415



16.9750, 0.2765, 0.5155



0.1156, 0.2539, 0.4339

Inverse Universe

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



16.1222, 0.3355, 0.2946



25.7216, 0.3421, 0.2864



15.7460, 0.3595, 0.3249



5.0924, 0.3199, 0.3168



5.4515, 0.4657, 0.2339



0.0392, 0.3896, 0.1920

Previews

White Background



This preview shows how the Yxy color 21.7175, 0.2950, 0.3662 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7175, 0.2950, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

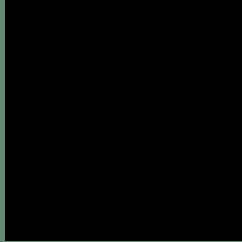
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7175, 0.2950, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 21.7175, 0.2950, 0.3662.



This preview shows how white text looks on a background with the Yxy color 21.7175, 0.2950, 0.3662.

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

21.7175, 0.2950, 0.3662

Protanopia

21.6989, 0.3368, 0.3560

Deuteranopia

21.6110, 0.3409, 0.3360



Tritanopia

21.6115, 0.2752, 0.3086

Trichromacy



Original Color

21.7175, 0.2950, 0.3662

Protanomaly

21.5851, 0.3205, 0.3607

Deuteranomaly

21.3594, 0.3227, 0.3454

Tritanomaly

21.4995, 0.2816, 0.3270

Monochromacy



Original Color

21.7175, 0.2950, 0.3662

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.5318, 0.3063, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7175, 0.2950, 0.3662 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, 136, 117)` looks like.

```
.text, #text, p{  
    color:rgb(102, 136, 117)  
}
```

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, 136, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 136, 117) }
```

Border

The CSS property to change the border of an element to Yxy 21.7175, 0.2950, 0.3662 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, 136, 117) }
```

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

```
.border{ border-color:rgb(102, 136, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 136, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 136, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 136, 117);  
box-shadow:4px 4px 4px 4px rgb(102, 136,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7175, 0.2950, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 136, 117) }
```

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

```
.background{ background-color: rgb(102,  
136, 117) }
```

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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