

Converting Colors

$Y_{xy}(17.6366, 0.2942, 0.3364)$

Have a look what the booklet for
Yxy(17.6366, 0.2942, 0.3364)
contains.

Yxy(17.5421, 0.2943, 0.3351)	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(17.5421, 0.2943, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	667875
RGB	102, 120, 117
RGB Percent	40%, 47%, 46%
CMY	0.6000, 0.5294, 0.5412
CMYK	0.15, 0.00, 0.03, 0.53
HSL	170°, 8%, 44%
HSV	170°, 15%, 47%
XYZ	15.4063, 17.5421, 19.4005
YIQ	114.2760, -9.7650, -4.7490

Conversions

Conversions Part 2

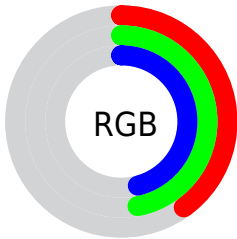
Format	Color
R_{YB}	102, 112, 120
Decimal	6715509
CIE _{Lab}	48.94, -7.28, -0.58
CIE _{LCh}	49, 7.301, 184.583
Y _{xy}	17.5421, 0.2943, 0.3351
Android (android.graphics.Color)	4284905589 (0xFF667875)
Y _{UV}	114.2760, 1.3429, -10.7661
Hunter-Lab	41.8833, -7.6367, 1.8550

Details

The Yxy color **17.5421, 0.2943, 0.3351** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5162, 0.3348, 0.3230**, and the grayscale version is **16.9127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1419, 0.2985, 0.3333**, and **5.8766, 0.2863, 0.3388** is the 20% darker color. If you saturate the color by 10%, you get **16.8450, 0.2828, 0.3396**, and if you desaturate by 10%, it is **18.3432, 0.3065, 0.3309**.

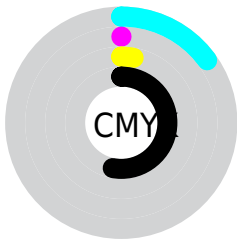
Distribution



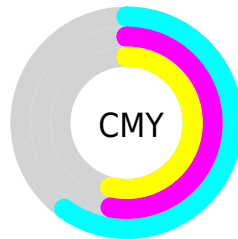
- Red (40%)
- Green (47%)
- Blue (46%)



- Red (40%)
- Yellow (44%)
- Blue (47%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (53%)



- Cyan (60%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5421, 0.2943, 0.3351 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 17.5421, 0.2943, 0.3351 by changing the saturation by 10% instead.

■ 17.5421, 0.2943,
0.3351

■ 17.5421, 0.2943,
0.3351

■ 238.2773, 0.3050,
0.3316

■ 10.6217, 0.2910,
0.3362

■ 39.2555, 0.2986,
0.3337

■ 5.8131, 0.2862,
0.3377

■ 54.8174, 0.3001,
0.3332

■ 2.7318, 0.2786,
0.3401

■ 74.0285, 0.3013,
0.3328

■ 0.9934, 0.2646,
0.3447

■ 97.2733, 0.3023,
0.3325

■ 0.0000, 0.0000,
0.0000

■ 124.9362, 0.3031,
0.3322

■ 157.4016, 0.3038,

0.3320

195.0538, 0.3044,
0.3318

■ 17.5421, 0.2943,
0.3351

■ 17.5421, 0.2943,
0.3351

■ 16.8450, 0.2828,
0.3396

■ 18.3432, 0.3065,
0.3309

■ 16.2453, 0.2722,
0.3445

■ 19.2503, 0.3190,
0.3272

■ 15.7391, 0.2628,
0.3497

■ 20.2677, 0.3318,
0.3237

■ 15.3213, 0.2548,
0.3551

■ 21.3994, 0.3447,
0.3207

■ 14.9866, 0.2484,
0.3607

■ 22.6487, 0.3574,
0.3180

■ 14.7286, 0.2437,
0.3664

■ 24.0189, 0.3698,
0.3157

■ 14.5404, 0.2408,
0.3721

■ 25.5134, 0.3819,
0.3136

■ 14.4107, 0.2396,
0.3778

■ 27.1352, 0.3935,
0.3118

■ 14.3525, 0.2391,
0.3807

■ 28.8872, 0.4047,
0.3103

Harmonies

Analogous

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



17.5421, 0.3067, 0.3466



17.5421, 0.2943, 0.3351



17.5421, 0.2868, 0.3221

Triad

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



17.5421, 0.2943, 0.3351



17.5421, 0.3040, 0.3061



17.5421, 0.3400, 0.3460

Complementary

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



17.5421, 0.2943, 0.3351



14.5162, 0.3348, 0.3230

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.



17.5421, 0.3393, 0.3350



17.5421, 0.2943, 0.3351



17.5421, 0.3183, 0.3123

Square

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



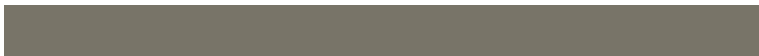
17.5421, 0.2943, 0.3351



17.5421, 0.2923, 0.3057



17.5421, 0.3313, 0.3227



17.5421, 0.3332, 0.3528

Rectangle

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



17.5421, 0.2943, 0.3351



17.5421, 0.2856, 0.3145



17.5421, 0.3313, 0.3227



17.5421, 0.3407, 0.3426

Sweetspot

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



17.5428, 0.2943, 0.3351



32.2423, 0.3063, 0.3310



17.4147, 0.3151, 0.3664



7.6210, 0.3056, 0.3312



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.5428, 0.2943, 0.3351



30.4106, 0.2903, 0.3366



16.2840, 0.2907, 0.3172



4.5015, 0.3014, 0.3326



15.6548, 0.2392, 0.3810



74.5669, 0.2400, 0.3839

Inverse Universe

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



14.5162, 0.3348, 0.3230



24.0170, 0.3409, 0.3216



15.6148, 0.3375, 0.3405



4.0250, 0.3253, 0.3254



4.4100, 0.6089, 0.3128



20.9485, 0.6191, 0.3184

Previews

White Background



This preview shows how the Yxy color 17.5421, 0.2943, 0.3351 looks on a white 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

Black Background



This preview shows how the Yxy color 17.5421, 0.2943, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

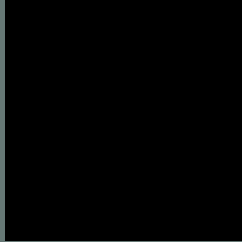
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

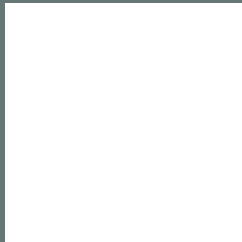
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.5421, 0.2943, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 17.5421, 0.2943, 0.3351.



This preview shows how white text looks on a background with the Yxy color 17.5421, 0.2943, 0.3351.

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

17.5421, 0.2943, 0.3351

Protanopia

17.3279, 0.3178, 0.3310

Deuteranopia

17.3559, 0.3226, 0.3158



Tritanopia

17.4584, 0.2847, 0.3091

Trichromacy



Original Color

17.5421, 0.2943, 0.3351

Protanomaly

17.4051, 0.3087, 0.3330

Deuteranomaly

17.3514, 0.3117, 0.3231

Tritanomaly

17.5325, 0.2879, 0.3189

Monochromacy



Original Color

17.5421, 0.2943, 0.3351

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.0436, 0.3063, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5421, 0.2943, 0.3351 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, 120, 117)` looks like.

```
.text, #text, p{  
    color:rgb(102, 120, 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, 120, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 120, 117) }
```

Border

The CSS property to change the border of an element to Yxy 17.5421, 0.2943, 0.3351 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, 120, 117) }
```

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

```
.border{ border-color:rgb(102, 120, 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, 120, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 120, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 120, 117);  
box-shadow:4px 4px 4px 4px rgb(102, 120,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5421, 0.2943, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 120, 117) }
```

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

```
.background{ background-color: rgb(102,  
120, 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](#).

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