

Converting Colors

$Y_{xy}(17.3391, 0.3111, 0.3333)$

Have a look what the booklet for
Yxy(17.3391, 0.3111, 0.3333)
contains.

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Color

Yxy(17.2164, 0.3112, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	717472
RGB	113, 116, 114
RGB Percent	44%, 45%, 45%
CMY	0.5570, 0.5450, 0.5529
CMYK	0.03, 0.00, 0.02, 0.55
HSL	140°, 1%, 45%
HSV	140°, 3%, 45%
XYZ	16.0893, 17.2164, 18.3952
YIQ	114.8750, -1.1460, -1.2580

Conversions

Conversions Part 2

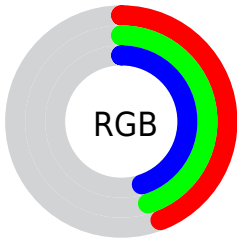
Format	Color
R_{YB}	113, 115, 116
Decimal	7435378
CIE Lab	48.53, -1.56, 0.70
CIE LCh	49, 1.712, 155.942
Yxy	17.2164, 0.3112, 0.3330
Android (android.graphics.Color)	4285625458 (0xFF717472)
YUV	114.8750, -0.4314, -1.6444
Hunter-Lab	41.4926, -3.3964, 2.7595

Details

The Yxy color **17.2164, 0.3112, 0.3330** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7535, 0.3143, 0.3250**, and the grayscale version is **17.1050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7578, 0.3117, 0.3318**, and **5.6514, 0.3104, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **16.3295, 0.3054, 0.3494**, and if you desaturate by 10%, it is **18.2178, 0.3169, 0.3184**.

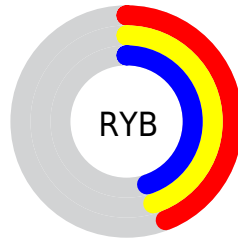
Distribution



Red (44%)

Green (45%)

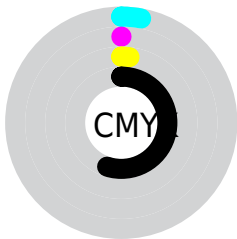
Blue (45%)



Red (44%)

Yellow (45%)

Blue (45%)

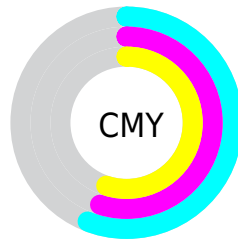


Cyan (3%)

Magenta (0%)

Yellow (2%)

Black (55%)



Cyan (56%)

Magenta (55%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2164, 0.3112, 0.3330 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 17.2164, 0.3112, 0.3330 by changing the saturation by 10% instead.

■ 17.2164, 0.3112,
0.3330

■ 17.2164, 0.3112,
0.3330

■ 236.4164, 0.3121,
0.3307

■ 10.3889, 0.3109,
0.3337

■ 38.6975, 0.3116,
0.3321

■ 5.6576, 0.3105,
0.3348

■ 54.1198, 0.3117,
0.3317

■ 2.6380, 0.3099,
0.3365

■ 73.1759, 0.3118,
0.3315

■ 0.9458, 0.3087,
0.3396

■ 96.2502, 0.3119,
0.3313

■ 0.0000, 0.0000,
0.0000

■ 123.7269, 0.3119,
0.3311

■ 155.9906, 0.3120,

0.3309

193.4256, 0.3120,
0.3308

■ 17.2164, 0.3112,
0.3330

■ 17.2164, 0.3112,
0.3330

■ 16.3295, 0.3054,
0.3494

■ 18.2178, 0.3169,
0.3184

■ 15.5507, 0.2998,
0.3677

■ 19.3352, 0.3226,
0.3056

■ 14.8765, 0.2944,
0.3879

■ 20.5730, 0.3280,
0.2943

■ 14.3023, 0.2896,
0.4098

■ 21.9349, 0.3331,
0.2843

■ 13.8231, 0.2856,
0.4331

■ 23.4240, 0.3380,
0.2757

■ 13.4337, 0.2827,
0.4573

■ 25.0437, 0.3427,
0.2681

■ 13.1279, 0.2811,
0.4816

■ 26.7970, 0.3470,
0.2614

■ 12.8993, 0.2811,
0.5053

■ 28.6870, 0.3511,
0.2556

■ 12.7395, 0.2826,
0.5272

■ 30.7166, 0.3549,
0.2506

Harmonies

Analogous

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



17.2164, 0.3146, 0.3346



17.2164, 0.3112, 0.3330



17.2164, 0.3082, 0.3303

Triad

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



17.2164, 0.3112, 0.3330



17.2164, 0.3080, 0.3234



17.2164, 0.3190, 0.3307

Complementary

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



17.2164, 0.3112, 0.3330



16.7535, 0.3143, 0.3250

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.



17.2164, 0.3172, 0.3277



17.2164, 0.3112, 0.3330



17.2164, 0.3109, 0.3235

Square

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



17.2164, 0.3112, 0.3330



17.2164, 0.3064, 0.3248



17.2164, 0.3142, 0.3251



17.2164, 0.3191, 0.3332

Rectangle

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



17.2164, 0.3112, 0.3330



17.2164, 0.3069, 0.3283



17.2164, 0.3142, 0.3251



17.2164, 0.3186, 0.3297

Sweetspot

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



17.2171, 0.3112, 0.3330



30.5256, 0.3121, 0.3305



17.3299, 0.3150, 0.3350



7.2855, 0.3122, 0.3304



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



17.2171, 0.3112, 0.3330



30.1832, 0.3109, 0.3337



17.2516, 0.3094, 0.3300



4.2380, 0.3106, 0.3345



14.1823, 0.2842, 0.5432



68.9663, 0.2868, 0.5526

Inverse Universe

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



16.7535, 0.3143, 0.3250



29.2322, 0.3145, 0.3243



16.7192, 0.3161, 0.3280



4.0810, 0.3149, 0.3235



4.7568, 0.4255, 0.2118



23.0154, 0.4327, 0.2157

Previews

White Background



This preview shows how the Yxy color 17.2164, 0.3112, 0.3330 looks on a white background.

Color Contrast Check

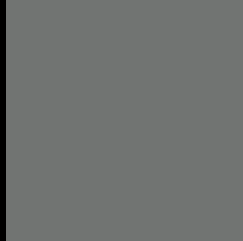
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2164, 0.3112, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

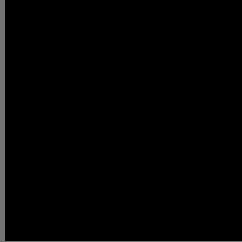
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

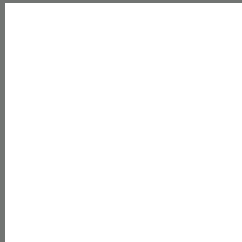
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.2164, 0.3112, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 17.2164, 0.3112, 0.3330.



This preview shows how white text looks on a background with the Yxy color 17.2164, 0.3112, 0.3330.

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

17.2164, 0.3112, 0.3330

Protanopia

17.3053, 0.3190, 0.3329

Deuteranopia

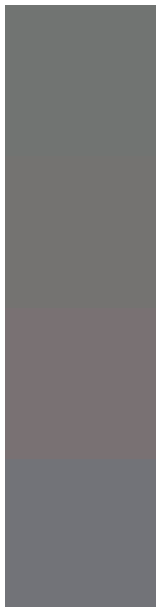
17.0423, 0.3279, 0.3214



Tritanopia

17.2941, 0.3009, 0.3114

Trichromacy



Original Color

17.2164, 0.3112, 0.3330

Protanomaly

17.1667, 0.3164, 0.3330

Deuteranomaly

17.1130, 0.3208, 0.3252

Tritanomaly

17.1949, 0.3055, 0.3192

Monochromacy



Original Color

17.2164, 0.3112, 0.3330

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.0767, 0.3114, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2164, 0.3112, 0.3330 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(113, 116, 114)` looks like.

```
.text, #text, p{  
    color:rgb(113, 116, 114)  
}
```

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(113, 116, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 116, 114) }
```

Border

The CSS property to change the border of an element to Yxy 17.2164, 0.3112, 0.3330 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(113, 116, 114) }
```

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

```
.border{ border-color:rgb(113, 116, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 116, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 116, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 116, 114);  
box-shadow:4px 4px 4px 4px rgb(113, 116,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2164, 0.3112, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 116, 114) }
```

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

```
.background{ background-color: rgb(113,  
116, 114) }
```

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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