

Converting Colors

XYZ(12.9662, 15.3667, 17.2264)

Have a look what the booklet for
XYZ(12.9662, 15.3667, 17.2264)
contains.

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Color

**XYZ(12.9111, 15.2570,
17.3033)**

Conversions

Conversions Part 1

Format	Color
Hex	58726F
RGB	88, 114, 111
RGB Percent	35%, 45%, 44%
CMY	0.6549, 0.5529, 0.5647
CMYK	0.23, 0.00, 0.03, 0.55
HSL	173°, 13%, 40%
HSV	173°, 23%, 45%
XYZ	12.9111, 15.2570, 17.3033
YIQ	105.8840, -14.5330, -6.4450

Conversions

Conversions Part 2

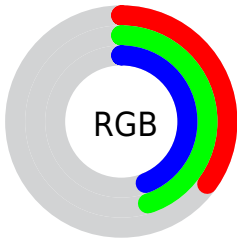
Format	Color
R_{YB}	88, 102, 114
Decimal	5796463
CIE _{Lab}	45.98, -10.15, -1.46
CIE _{LCh}	46, 10.251, 188.198
Yxy	15.2570, 0.2839, 0.3355
Android (android.graphics.Color)	4283986543 (0xFF58726F)
YUV	105.8840, 2.5222, -15.6843
Hunter-Lab	39.0602, -9.3533, 1.0772

Details

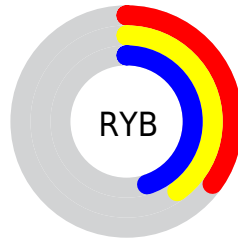
The XYZ color **12.9111, 15.2570, 17.3033** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3181, 11.3127, 11.4327**, and the grayscale version is **13.6644, 14.3760, 15.6554**.

A 20% lighter version of the original color is **30.7283, 35.3201, 39.8482**, and **3.7599, 4.7267, 5.4168** is the 20% darker color. If you saturate the color by 10%, you get **11.8434, 14.7153, 16.8781**, and if you desaturate by 10%, it is **14.1495, 15.8874, 17.7427**.

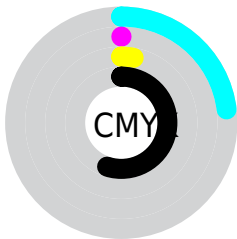
Distribution



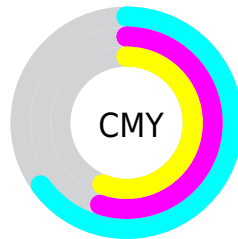
- Red (35%)
- Green (45%)
- Blue (44%)



- Red (35%)
- Yellow (40%)
- Blue (45%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (55%)



- Cyan (65%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9111, 15.2570, 17.3033 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 XYZ color 12.9111, 15.2570, 17.3033 by changing the saturation by 10% instead.

■ 12.9111, 15.2570,
17.3033

■ 12.9111, 15.2570,
17.3033

203.9963,
224.9165, 249.0170

■ 7.4439, 9.0000,
10.2867

■ 30.7467, 35.3034,
39.6443

■ 3.7900, 4.7412,
5.4814

■ 43.8458, 49.8616,
55.8058

■ 1.5840, 2.0962,
2.4688

■ 60.2195, 67.9555,
75.8527

■ 0.3820, 0.6625,
0.8235

■ 80.2334, 89.9697,
100.2035

■ 0.0000, 0.0000,
0.0000

■ 104.2526,
116.2885, 129.2769

132.6426,

147.2963, 163.4912

165.7687,
183.3775, 203.2651

■ 12.9111, 15.2570,
17.3033

■ 12.9111, 15.2570,
17.3033

■ 11.8434, 14.7153,
16.8781

■ 14.1495, 15.8874,
17.7427

■ 10.9373, 14.2564,
16.4658

■ 15.5647, 16.6084,
18.1956

■ 10.1849, 13.8765,
16.0661

■ 17.1639, 17.4241,
18.6628

■ 9.5767, 13.5710,
15.6787

■ 18.9537, 18.3380,
19.1445

■ 9.1028, 13.3345,
15.3031

■ 20.9403, 19.3532,
19.6411

■ 8.7514, 13.1610,
14.9386

■ 23.1296, 20.4728,
20.1529

■ 8.5080, 13.0431,
14.5847

■ 25.5273, 21.6996,
20.6801

■ 8.3588, 12.9716,
14.3346

■ 28.1388, 23.0366,
21.2231

■ 30.9694, 24.4864,
21.7821

Harmonies

Analogous

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



13.0060, 15.2570, 14.8993



12.9111, 15.2570, 17.3033



13.2287, 15.2570, 19.7473

Triad

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



12.9111, 15.2570, 17.3033



15.5582, 15.2570, 20.6596



15.1302, 15.2570, 12.5573

Complementary

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



12.9111, 15.2570, 17.3033



12.3181, 11.3127, 11.4327

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.



15.8531, 15.2570, 13.8280



12.9111, 15.2570, 17.3033



16.1070, 15.2570, 18.4518

Square

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



12.9111, 15.2570, 17.3033



14.7406, 15.2570, 21.8074



16.2170, 15.2570, 15.9399



14.2646, 15.2570, 12.3156

Rectangle

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



12.9111, 15.2570, 17.3033



13.6393, 15.2570, 21.0153



16.2170, 15.2570, 15.9399



15.3989, 15.2570, 12.8716

Sweetspot

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



12.9115, 15.2576, 17.3036



26.2240, 28.6105, 31.6227



12.0970, 14.9657, 11.4841



6.0432, 6.6056, 7.3064



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.9115, 15.2576, 17.3036



21.7345, 26.3265, 30.0380



12.0160, 13.1975, 17.8343



3.4592, 3.8089, 4.2244



9.3007, 14.4378, 15.9363



46.1273, 71.8396, 78.3128

Inverse Universe

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



12.3181, 11.3127, 11.4327



20.5106, 18.1875, 17.9277



13.0660, 13.0117, 11.0558



3.3987, 3.4072, 3.6264



7.8031, 4.0136, 0.7731



38.6976, 19.9244, 2.9398

Previews

White Background



This preview shows how the XYZ color 12.9111, 15.2570, 17.3033 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 XYZ color 12.9111, 15.2570, 17.3033 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](#).

XYZ 12.9111, 15.2570, 17.3033

Background



This preview shows how black text looks on a background with the XYZ color 12.9111, 15.2570, 17.3033.



This preview shows how white text looks on a background with the XYZ color 12.9111, 15.2570,

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

12.9111, 15.2570, 17.3033

Protanopia

14.6249, 15.1873, 16.3480

Deuteranopia

15.3683, 15.0773, 17.7230



Tritanopia

13.4618, 15.1425, 20.3024

Trichromacy



Original Color

12.9111, 15.2570, 17.3033

Protanomaly

13.9298, 15.1396, 16.6560

Deuteranomaly

14.2311, 14.9591, 17.4666

Tritanomaly

13.2358, 15.2185, 19.0695

Monochromacy



Original Color

12.9111, 15.2570, 17.3033

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3210, 14.6726, 16.3174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9111, 15.2570, 17.3033 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(88, 114, 111)` looks like.

```
.text, #text, p{  
    color:rgb(88, 114, 111)  
}
```

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(88, 114, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 114, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.9111, 15.2570, 17.3033 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(88, 114, 111) }
```


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

```
.border{ border-color:rgb(88, 114, 111) }
```

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

Here you see how a box with a 4 pixel rgb(88, 114, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 114, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 114, 111);  
box-shadow:4px 4px 4px 4px rgb(88, 114,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9111, 15.2570, 17.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 114, 111) }
```

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

```
.background{ background-color: rgb(88, 114,  
111) }
```

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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