

Converting Colors

XYZ(12.5993, 15.1399, 15.1071)

Have a look what the booklet for
XYZ(12.5993, 15.1399, 15.1071)
contains.

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Color

**XYZ(12.5853, 15.1377,
15.0905)**

Conversions

Conversions Part 1

Format	Color
Hex	597267
RGB	89, 114, 103
RGB Percent	35%, 45%, 40%
CMY	0.6510, 0.5529, 0.5961
CMYK	0.22, 0.00, 0.10, 0.55
HSL	154°, 12%, 40%
HSV	154°, 22%, 45%
XYZ	12.5853, 15.1377, 15.0905
YIQ	105.2710, -11.3690, -8.7210

Conversions

Conversions Part 2

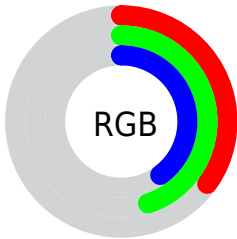
Format	Color
R_{YB}	89, 105, 114
Decimal	5861991
CIE _{Lab}	45.82, -11.63, 3.09
CIE _{LCh}	46, 12.032, 165.124
Yxy	15.1377, 0.2940, 0.3536
Android (android.graphics.Color)	4284052071 (0xFF597267)
YUV	105.2710, -1.1196, -14.2697
Hunter-Lab	38.9072, -10.3483, 4.2389

Details

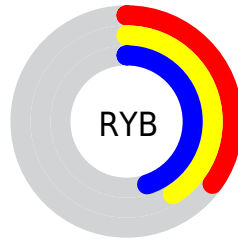
The XYZ color **12.5853, 15.1377, 15.0905** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8126, 11.6426, 13.6292**, and the grayscale version is **13.5062, 14.2096, 15.4742**.

A 20% lighter version of the original color is **30.1164, 35.0945, 35.7585**, and **3.6583, 4.6955, 4.4549** is the 20% darker color. If you saturate the color by 10%, you get **11.3307, 14.5196, 13.7568**, and if you desaturate by 10%, it is **14.0253, 15.8505, 16.5124**.

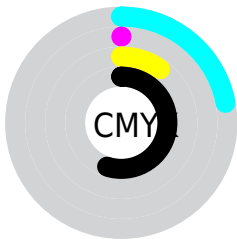
Distribution



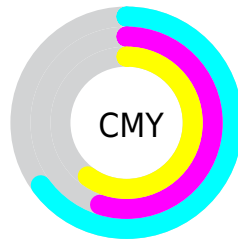
- Red (35%)
- Green (45%)
- Blue (40%)



- Red (35%)
- Yellow (41%)
- Blue (45%)



- Cyan (22%)
- Magenta (0%)
- Yellow (10%)
- Black (55%)



- Cyan (65%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5853, 15.1377, 15.0905 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 12.5853, 15.1377, 15.0905 by changing the saturation by 10% instead.

■ 12.5853, 15.1377,
15.0905

■ 12.5853, 15.1377,
15.0905

201.9343,
224.1982, 235.5730

■ 7.2186, 8.9161,
8.7356

■ 30.1644, 35.0946,
35.7564

■ 3.6467, 4.6865,
4.4747

■ 43.1076, 49.5986,
50.9045

■ 1.5043, 2.0645,
1.8892

■ 59.3069, 67.6322,
69.8207

■ 0.3288, 0.6446,
0.4858

■ 79.1279, 89.5799,
92.9237

■ 0.0000, 0.0000,
0.0000

■ 102.9357,
115.8259, 120.6318

131.0958,

146.7547, 153.3637

163.9736,
182.7506, 191.5379

■ 12.5853, 15.1377,
15.0905

■ 12.5853, 15.1377,
15.0905

■ 11.3307, 14.5196,
13.7568

■ 14.0253, 15.8505,
16.5124

■ 10.2522, 13.9901,
12.5085

■ 15.6570, 16.6599,
18.0233

■ 9.3416, 13.5455,
11.3441

■ 17.4879, 17.5702,
19.6249

■ 8.5895, 13.1810,
10.2619

■ 19.5247, 18.5848,
21.3190

■ 7.9855, 12.8911,
9.2597

■ 21.7738, 19.7070,
23.1071

■ 7.5178, 12.6700,
8.3356

■ 24.2414, 20.9400,
24.9907

■ 7.1726, 12.5105,
7.4872

■ 26.9333, 22.2867,
26.9712

■ 6.9384, 12.4035,
6.8546

■ 29.8552, 23.7500,
29.0501

■ 33.0126, 25.3327,
31.2288

Harmonies

Analogous

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



13.0506, 15.1377, 12.8494



12.5853, 15.1377, 15.0905



12.5873, 15.1377, 17.9820

Triad

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



12.5853, 15.1377, 15.0905



14.9024, 15.1377, 22.4792



15.8074, 15.1377, 12.8350

Complementary

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



12.5853, 15.1377, 15.0905



12.8126, 11.6426, 13.6292

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.



16.3526, 15.1377, 15.0686



12.5853, 15.1377, 15.0905



15.8137, 15.1377, 20.7427

Square

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



12.5853, 15.1377, 15.0905



13.8933, 15.1377, 22.4869



16.3550, 15.1377, 17.9573



14.8941, 15.1377, 11.6549

Rectangle

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



12.5853, 15.1377, 15.0905



12.8520, 15.1377, 19.9068



16.3550, 15.1377, 17.9573



16.0416, 15.1377, 13.4751

Sweetspot

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



12.5857, 15.1383, 15.0908



25.9647, 28.5068, 30.2574



13.1042, 15.4801, 11.7487



5.9802, 6.5804, 6.9747



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.



12.5857, 15.1383, 15.0908



21.0312, 26.0661, 25.3880



13.0348, 15.0939, 18.1467



3.4159, 3.7916, 3.9966



7.7149, 13.8035, 7.5855



37.9922, 68.5855, 35.4736

Inverse Universe

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



12.8126, 11.6426, 13.6292



21.5006, 18.8351, 22.3654



12.4203, 11.6536, 11.0462



3.4398, 3.4236, 3.8427



8.3615, 4.2370, 3.7138



41.2332, 20.9386, 16.2920

Previews

White Background



This preview shows how the XYZ color 12.5853, 15.1377, 15.0905 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 12.5853, 15.1377, 15.0905 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 12.5853, 15.1377, 15.0905

Background



This preview shows how black text looks on a background with the XYZ color 12.5853, 15.1377, 15.0905.



This preview shows how white text looks on a background with the XYZ color 12.5853, 15.1377,

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

12.5853, 15.1377, 15.0905

Protanopia

14.3449, 15.0900, 14.2132

Deuteranopia

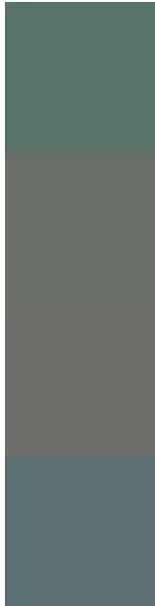
15.3471, 15.1161, 15.4734



Tritanopia

13.4882, 15.0003, 19.9537

Trichromacy



Original Color

12.5853, 15.1377, 15.0905

Protanomaly

13.6338, 15.0345, 14.4953

Deuteranomaly

14.1679, 14.9758, 15.2406

Tritanomaly

13.1458, 15.0274, 18.1273

Monochromacy



Original Color

12.5853, 15.1377, 15.0905

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0068, 14.3772, 15.1863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5853, 15.1377, 15.0905 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(89, 114, 103) looks like.

```
.text, #text, p{  
    color:rgb(89, 114, 103)  
}
```

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(89, 114, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 114, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.5853, 15.1377, 15.0905 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(89, 114, 103) }
```


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

```
.border{ border-color:rgb(89, 114, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 114, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 114, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 114, 103);  
box-shadow:4px 4px 4px 4px rgb(89, 114,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5853, 15.1377, 15.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 114, 103) }
```

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

```
.background{ background-color: rgb(89, 114,  
103) }
```

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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