

Converting Colors

XYZ(12.5885, 15.1333, 14.6080)

Have a look what the booklet for
XYZ(12.5885, 15.1333, 14.6080)
contains.

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Color

**XYZ(12.5827, 15.1479,
14.5726)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7265
RGB	90, 114, 101
RGB Percent	35%, 45%, 40%
CMY	0.6471, 0.5529, 0.6039
CMYK	0.21, 0.00, 0.11, 0.55
HSL	147°, 12%, 40%
HSV	147°, 21%, 45%
XYZ	12.5827, 15.1479, 14.5726
YIQ	105.3420, -10.1310, -9.1310

Conversions

Conversions Part 2

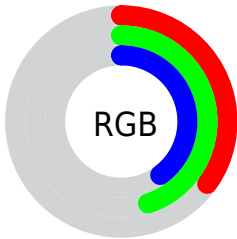
Format	Color
R_{YB}	90, 106, 114
Decimal	5927525
CIE _{Lab}	45.84, -11.71, 4.31
CIE _{LCh}	46, 12.475, 159.784
Yxy	15.1479, 0.2974, 0.3581
Android (android.graphics.Color)	4284117605 (0xFF5A7265)
YUV	105.3420, -2.1406, -13.4549
Hunter-Lab	38.9203, -10.4026, 5.0448

Details

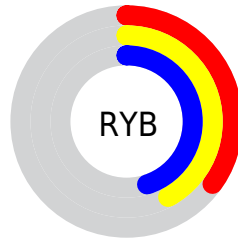
The XYZ color **12.5827, 15.1479, 14.5726** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0443, 11.8693, 14.4360**, and the grayscale version is **13.5280, 14.2325, 15.4992**.

A 20% lighter version of the original color is **30.1189, 35.1149, 34.8962**, and **3.6528, 4.6982, 4.2044** is the 20% darker color. If you saturate the color by 10%, you get **11.2665, 14.5035, 12.9906**, and if you desaturate by 10%, it is **14.0926, 15.8904, 16.2830**.

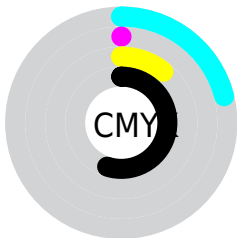
Distribution



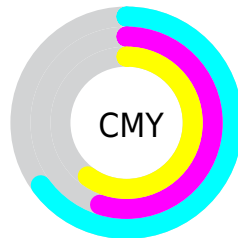
- Red (35%)
- Green (45%)
- Blue (40%)



- Red (35%)
- Yellow (42%)
- Blue (45%)



- Cyan (21%)
- Magenta (0%)
- Yellow (11%)
- Black (55%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5827, 15.1479, 14.5726 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 12.5827, 15.1479, 14.5726 by changing the saturation by 10% instead.

■ 12.5827, 15.1479,
14.5726

■ 12.5827, 15.1479,
14.5726

201.9178,
224.2597, 232.3155

■ 7.2168, 8.9233,
8.3767

■ 30.1598, 35.1124,
34.8333

■ 3.6456, 4.6912,
4.2457

■ 43.1017, 49.6211,
49.7351

■ 1.5037, 2.0672,
1.7611

■ 59.2996, 67.6599,
68.3760

■ 0.3283, 0.6461,
0.4021

■ 79.1190, 89.6132,
91.1745

■ 0.0000, 0.0000,
0.0000

102.9252,
115.8655, 118.5492

131.0834,

146.8010, 150.9185

163.9592,
182.8043, 188.7011

■ 12.5827, 15.1479,
14.5726

■ 12.5827, 15.1479,
14.5726

■ 11.2665, 14.5035,
12.9906

■ 14.0926, 15.8904,
16.2830

■ 10.1346, 13.9510,
11.5331

■ 15.8026, 16.7330,
18.1237

■ 9.1785, 13.4867,
10.1972

■ 17.7204, 17.6800,
20.0978

■ 8.3885, 13.1056,
8.9797

■ 19.8531, 18.7349,
22.2080

■ 7.7542, 12.8023,
7.8773

■ 22.2071, 19.9011,
24.4568

■ 7.2637, 12.5709,
6.8865

■ 24.7887, 21.1817,
26.8469

■ 6.9033, 12.4043,
6.0033

■ 27.6040, 22.5799,
29.3807

■ 6.6431, 12.2854,
5.2995

■ 30.6588, 24.0986,
32.0605

■ 33.9587, 25.7405,
34.8889

Harmonies

Analogous

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



13.1424, 15.1479, 12.4324



12.5827, 15.1479, 14.5726



12.4959, 15.1479, 17.4970

Triad

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



12.5827, 15.1479, 14.5726



14.7439, 15.1479, 22.8820



16.0077, 15.1479, 13.0592

Complementary

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



12.5827, 15.1479, 14.5726



13.0443, 11.8693, 14.4360

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.



16.4831, 15.1479, 15.5291



12.5827, 15.1479, 14.5726



15.7303, 15.1479, 21.3546

Square

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



12.5827, 15.1479, 14.5726



13.7103, 15.1479, 22.5448



16.3792, 15.1479, 18.5762



15.1076, 15.1479, 11.6353

Rectangle

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



12.5827, 15.1479, 14.5726



12.7134, 15.1479, 19.5397



16.3792, 15.1479, 18.5762



16.2244, 15.1479, 13.7816

Sweetspot

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



12.5831, 15.1485, 14.5729



26.1910, 28.6256, 30.1685



13.4798, 15.6689, 11.9869



6.0257, 6.6046, 6.9431



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.



12.5831, 15.1485, 14.5729



21.0081, 26.0782, 24.3040



13.2036, 15.3967, 17.8406



3.4027, 3.7863, 3.9270



7.3863, 13.6720, 5.8552



36.3691, 67.9363, 26.9267

Inverse Universe

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



13.0443, 11.8693, 14.4360



21.9645, 19.2765, 24.0194



12.4930, 11.6488, 11.5329



3.4530, 3.4289, 3.9121



8.6768, 4.3631, 5.3739



42.7834, 21.5587, 24.4553

Previews

White Background



This preview shows how the XYZ color 12.5827, 15.1479, 14.5726 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 12.5827, 15.1479, 14.5726 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

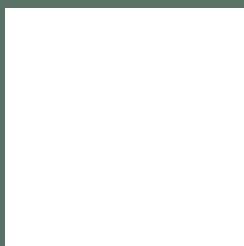
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5827, 15.1479, 14.5726

Background



This preview shows how black text looks on a background with the XYZ color 12.5827, 15.1479, 14.5726.



This preview shows how white text looks on a background with the XYZ color 12.5827, 15.1479,

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

12.5827, 15.1479, 14.5726

Protanopia

14.3772, 15.1177, 13.7155

Deuteranopia

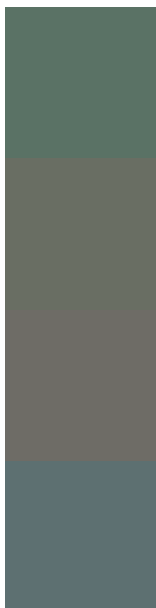
15.3849, 15.1474, 14.9448



Tritanopia

13.6907, 15.1046, 19.9632

Trichromacy



Original Color

12.5827, 15.1479, 14.5726

Protanomaly

13.6538, 15.0560, 13.9908

Deuteranomaly

14.1912, 14.9994, 14.7176

Tritanomaly

13.2890, 15.1078, 17.8385

Monochromacy



Original Color

12.5827, 15.1479, 14.5726

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1168, 14.4339, 15.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5827, 15.1479, 14.5726 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(90, 114, 101) looks like.

```
.text, #text, p{  
    color:rgb(90, 114, 101)  
}
```

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(90, 114, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 114, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.5827, 15.1479, 14.5726 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(90, 114, 101) }
```


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

```
.border{ border-color:rgb(90, 114, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 114, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 114, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 114, 101);  
box-shadow:4px 4px 4px 4px rgb(90, 114,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5827, 15.1479, 14.5726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 114, 101) }
```

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

```
.background{ background-color: rgb(90, 114,  
101) }
```

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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