

Converting Colors

XYZ(12.7644, 15.2950, 15.5065)

Have a look what the booklet for
XYZ(12.7644, 15.2950, 15.5065)
contains.

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Color

**XYZ(12.7325, 15.2078,
15.3610)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7268
RGB	90, 114, 104
RGB Percent	35%, 45%, 41%
CMY	0.6471, 0.5529, 0.5922
CMYK	0.21, 0.00, 0.09, 0.55
HSL	155°, 12%, 40%
HSV	155°, 21%, 45%
XYZ	12.7325, 15.2078, 15.3610
YIQ	105.6840, -11.0940, -8.1980

Conversions

Conversions Part 2

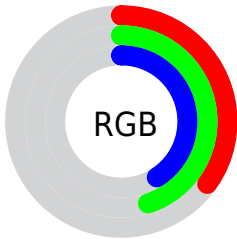
Format	Color
R_{YB}	90, 105, 114
Decimal	5927528
CIE _{Lab}	45.92, -11.05, 2.64
CIE _{LCh}	46, 11.360, 166.570
Yxy	15.2078, 0.2940, 0.3512
Android (android.graphics.Color)	4284117608 (0xFF5A7268)
YUV	105.6840, -0.8302, -13.7549
Hunter-Lab	38.9972, -9.9652, 3.9437

Details

The XYZ color **12.7325, 15.2078, 15.3610** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.8965, 11.8103, 13.6573**, and the grayscale version is **13.6179, 14.3271, 15.6022**.

A 20% lighter version of the original color is **30.3678, 35.2144, 36.2069**, and **3.7254, 4.7273, 4.5870** is the 20% darker color. If you saturate the color by 10%, you get **11.4731, 14.5861, 14.0779**, and if you desaturate by 10%, it is **14.1765, 15.9239, 16.7244**.

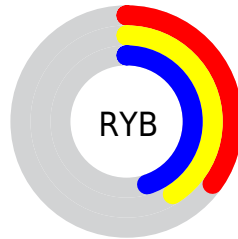
Distribution



Red (35%)

Green (45%)

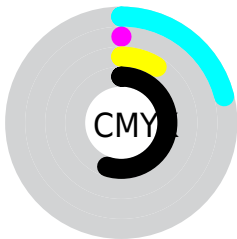
Blue (41%)



Red (35%)

Yellow (41%)

Blue (45%)

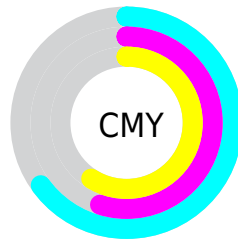


Cyan (21%)

Magenta (0%)

Yellow (9%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7325, 15.2078, 15.3610 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 12.7325, 15.2078, 15.3610 by changing the saturation by 10% instead.

■ 12.7325, 15.2078,
15.3610

■ 12.7325, 15.2078,
15.3610

202.8686,
224.6206, 237.2565

■ 7.3203, 8.9654,
8.9237

■ 30.4278, 35.2173,
36.2365

■ 3.7113, 4.7186,
4.5953

■ 43.4416, 49.7532,
51.5117

■ 1.5402, 2.0831,
1.9573

■ 59.7200, 67.8223,
70.5700

■ 0.3529, 0.6551,
0.5288

■ 79.6284, 89.8090,
93.8300

■ 0.0000, 0.0000,
0.0000

■ 103.5321,
116.0979, 121.7100

131.7964,

147.0731, 154.6288

164.7868,
183.1192, 193.0048

■ 12.7325, 15.2078,
15.3610

■ 12.7325, 15.2078,
15.3610

■ 11.4731, 14.5861,
14.0779

■ 14.1765, 15.9239,
16.7244

■ 10.3890, 14.0528,
12.8724

■ 15.8112, 16.7364,
18.1686

■ 9.4721, 13.6041,
11.7435

■ 17.6441, 17.6494,
19.6952

■ 8.7132, 13.2354,
10.6893

■ 19.6819, 18.6664,
21.3057

■ 8.1019, 12.9414,
9.7083

■ 21.9309, 19.7906,
23.0015

■ 7.6268, 12.7161,
8.7985

■ 24.3971, 21.0251,
24.7839

■ 7.2745, 12.5527,
7.9580

■ 27.0864, 22.3728,
26.6541

■ 7.0156, 12.4344,
7.2615

■ 30.0044, 23.8368,
28.6134

■ 33.1565, 25.4196,
30.6630

Harmonies

Analogous

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



13.1551, 15.2078, 13.1839



12.7325, 15.2078, 15.3610



12.7566, 15.2078, 18.1125

Triad

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



12.7325, 15.2078, 15.3610



14.9874, 15.2078, 22.1599



15.7610, 15.2078, 13.0087

Complementary

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



12.7325, 15.2078, 15.3610



12.8965, 11.8103, 13.6573

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.



16.2969, 15.2078, 15.0964



12.7325, 15.2078, 15.3610



15.8369, 15.2078, 20.4653

Square

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



12.7325, 15.2078, 15.3610



14.0301, 15.2078, 22.2511



16.3253, 15.2078, 17.8171



14.8875, 15.2078, 11.9308

Rectangle

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



12.7325, 15.2078, 15.3610



13.0222, 15.2078, 19.9122



16.3253, 15.2078, 17.8171



15.9883, 15.2078, 13.6046

Sweetspot

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



12.7329, 15.2084, 15.3613



26.2755, 28.6595, 30.6135



13.1632, 15.5057, 11.9723



6.0466, 6.6130, 7.0533



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.



12.7329, 15.2084, 15.3613



21.3189, 26.2025, 25.9406



13.0927, 15.0661, 18.1383



3.4190, 3.7928, 4.0127



7.8010, 13.8379, 8.0386



38.4229, 68.7578, 37.7420

Inverse Universe

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



12.8965, 11.8103, 13.6573



21.6584, 19.1541, 22.4072



12.5780, 11.9012, 11.3074



3.4368, 3.4224, 3.8269



8.2995, 4.2122, 3.3869



40.9333, 20.8187, 14.7129

Previews

White Background



This preview shows how the XYZ color 12.7325, 15.2078, 15.3610 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 12.7325, 15.2078, 15.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

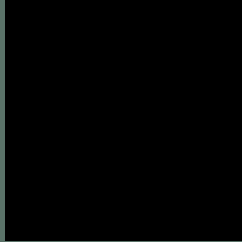
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

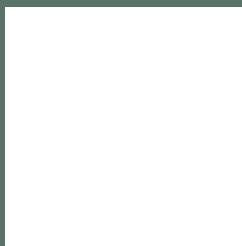
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7325, 15.2078, 15.3610

Background



This preview shows how black text looks on a background with the XYZ color 12.7325, 15.2078, 15.3610.



This preview shows how white text looks on a background with the XYZ color 12.7325, 15.2078,

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

12.7325, 15.2078, 15.3610

Protanopia

14.3936, 15.1095, 14.4697

Deuteranopia

15.3988, 15.1368, 15.7458



Tritanopia

13.6985, 15.2716, 19.9950

Trichromacy



Original Color

12.7325, 15.2078, 15.3610

Protanomaly

13.6831, 15.0542, 14.7550

Deuteranomaly

14.2190, 14.9963, 15.5097

Tritanomaly

13.3560, 15.3005, 18.1689

Monochromacy



Original Color

12.7325, 15.2078, 15.3610

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.2740, 14.6665, 15.4959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7325, 15.2078, 15.3610 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, 104) looks like.

```
.text, #text, p{  
    color:rgb(90, 114, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 114, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.7325, 15.2078, 15.3610 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, 104) }
```


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

```
.border{ border-color:rgb(90, 114, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 114, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 114, 104);  
box-shadow:4px 4px 4px 4px rgb(90, 114,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7325, 15.2078, 15.3610 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, 104) }
```

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

```
.background{ background-color: rgb(90, 114,  
104) }
```

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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