

Converting Colors

XYZ(12.8445, 15.2687, 14.2208)

Have a look what the booklet for
XYZ(12.8445, 15.2687, 14.2208)
contains.

XYZ(12.8318, 15.2819, 14.3300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8318, 15.2819,
14.3300)**

Conversions

Conversions Part 1

Format	Color
Hex	5D7264
RGB	93, 114, 100
RGB Percent	36%, 45%, 39%
CMY	0.6353, 0.5529, 0.6078
CMYK	0.18, 0.00, 0.12, 0.55
HSL	140°, 10%, 41%
HSV	140°, 18%, 45%
XYZ	12.8318, 15.2819, 14.3300
YIQ	106.1250, -8.0220, -8.8060

Conversions

Conversions Part 2

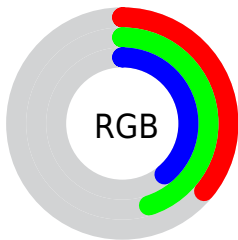
Format	Color
R _Y B	93, 109, 114
Decimal	6124132
CIE Lab	46.02, -10.82, 5.20
CIE LCh	46, 12.002, 154.350
Yxy	15.2819, 0.3023, 0.3601
Android (android.graphics.Color)	4284314212 (0xFF5D7264)
YUV	106.1250, -3.0196, -11.5106
Hunter-Lab	39.0921, -9.8193, 5.6305

Details

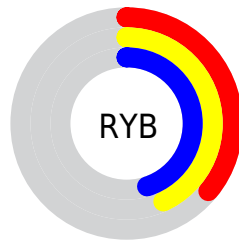
The XYZ color **12.8318, 15.2819, 14.3300** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5082, 12.4681, 15.6053**, and the grayscale version is **13.7438, 14.4596, 15.7465**.

A 20% lighter version of the original color is **30.7237, 35.4361, 34.4987**, and **3.7631, 4.7578, 4.0882** is the 20% darker color. If you saturate the color by 10%, you get **11.4120, 14.5909, 12.4321**, and if you desaturate by 10%, it is **14.4588, 16.0766, 16.4174**.

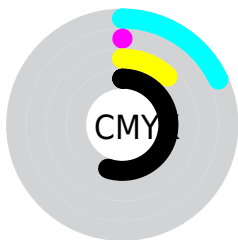
Distribution



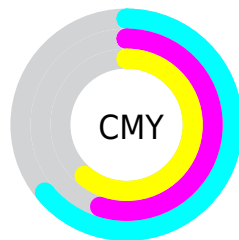
- Red (36%)
- Green (45%)
- Blue (39%)



- Red (36%)
- Yellow (43%)
- Blue (45%)



- Cyan (18%)
- Magenta (0%)
- Yellow (12%)
- Black (55%)



- Cyan (64%)
- Magenta (55%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8318, 15.2819, 14.3300 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 12.8318, 15.2819, 14.3300 by changing the saturation by 10% instead.

■ 12.8318, 15.2819,
14.3300

■ 12.8318, 15.2819,
14.3300

203.4963,
225.0662, 230.7736

■ 7.3890, 9.0175,
8.2092

■ 30.6052, 35.3470,
34.3989

■ 3.7550, 4.7526,
4.1394

■ 43.6665, 49.9164,
49.1841

■ 1.5645, 2.1028,
1.7021

■ 59.9980, 68.0229,
67.6945

■ 0.3691, 0.6662,
0.3622

■ 79.9651, 90.0510,
90.3487

■ 0.0000, 0.0000,
0.0000

103.9331,
116.3849, 117.5651

132.2674,

147.4092, 149.7624

165.3334,
183.5082, 187.3590

■ 12.8318, 15.2819,
14.3300

■ 12.8318, 15.2819,
14.3300

■ 11.4120, 14.5909,
12.4321

■ 14.4588, 16.0766,
16.4174

■ 10.1896, 13.9975,
10.7175

■ 16.2999, 16.9771,
18.6985

■ 9.1560, 13.4976,
9.1809

■ 18.3629, 17.9879,
21.1783

■ 8.3013, 13.0862,
7.8166

■ 20.6551, 19.1125,
23.8617

■ 7.6146, 12.7581,
6.6184

■ 23.1834, 20.3546,
26.7530

■ 7.0839, 12.5069,
5.5799

■ 25.9544, 21.7172,
29.8568

■ 6.6955, 12.3259,
4.6942

■ 28.9743, 23.2037,
33.1773

■ 6.4096, 12.1946,
3.9526

■ 32.2493, 24.8170,
36.7186

■ 6.3674, 12.1751,
3.8479

■ 35.7853, 26.5602,
40.4848

Harmonies

Analogous

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



13.4488, 15.2819, 12.4290



12.8318, 15.2819, 14.3300



12.6603, 15.2819, 17.0680

Triad

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



12.8318, 15.2819, 14.3300



14.6739, 15.2819, 22.8748



16.2008, 15.2819, 13.6739

Complementary

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



12.8318, 15.2819, 14.3300



13.5082, 12.4681, 15.6053

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.



16.5644, 15.2819, 16.2180



12.8318, 15.2819, 14.3300



15.6571, 15.2819, 21.7071

Square

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



12.8318, 15.2819, 14.3300



13.6945, 15.2819, 22.2185



16.3609, 15.2819, 19.1845



15.3884, 15.2819, 12.0824

Rectangle

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



12.8318, 15.2819, 14.3300



12.8145, 15.2819, 19.0581



16.3609, 15.2819, 19.1845



16.3812, 15.2819, 14.4345

Sweetspot

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



12.8322, 15.2825, 14.3303



26.1073, 28.5922, 29.7276



14.0993, 15.9732, 12.6962



6.0050, 6.5963, 6.8340



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.



12.8322, 15.2825, 14.3303



21.4714, 26.3296, 23.7592



13.3547, 15.4915, 17.0817



3.3867, 3.7799, 3.8426



7.0805, 13.5497, 4.2449



34.9078, 67.3518, 19.2316

Inverse Universe

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



13.5082, 12.4681, 15.6053



22.8861, 20.4385, 26.4264



13.0050, 12.2668, 12.9553



3.4694, 3.4355, 3.9987



9.1693, 4.5601, 7.9677



45.2644, 22.5511, 37.5203

Previews

White Background



This preview shows how the XYZ color 12.8318, 15.2819, 14.3300 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 12.8318, 15.2819, 14.3300 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 12.8318, 15.2819, 14.3300

Background



This preview shows how black text looks on a background with the XYZ color 12.8318, 15.2819, 14.3300.



This preview shows how white text looks on a background with the XYZ color 12.8318, 15.2819,

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

12.8318, 15.2819, 14.3300

Protanopia

14.3303, 15.0989, 13.4684

Deuteranopia

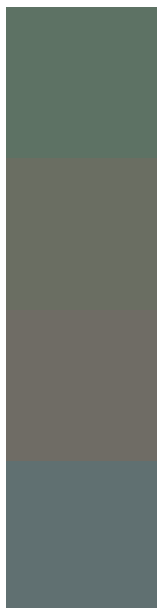
15.4759, 15.2000, 14.6886



Tritanopia

14.0044, 15.2663, 19.9779

Trichromacy



Original Color

12.8318, 15.2819, 14.3300

Protanomaly

13.7244, 15.0979, 13.7461

Deuteranomaly

14.2671, 15.0442, 14.4638

Tritanomaly

13.5987, 15.2674, 17.8530

Monochromacy



Original Color

12.8318, 15.2819, 14.3300

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3342, 14.7035, 15.2320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8318, 15.2819, 14.3300 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(93, 114, 100) looks like.

```
.text, #text, p{  
    color:rgb(93, 114, 100)  
}
```

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(93, 114, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 114, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.8318, 15.2819, 14.3300 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(93, 114, 100) }
```


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

```
.border{ border-color:rgb(93, 114, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 114, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 114, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 114, 100);  
box-shadow:4px 4px 4px 4px rgb(93, 114,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8318, 15.2819, 14.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 114, 100) }
```

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

```
.background{ background-color: rgb(93, 114,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor