

Converting Colors

XYZ(12.3465, 14.8123, 13.7199)

Have a look what the booklet for
XYZ(12.3465, 14.8123, 13.7199)
contains.

XYZ(12.4241, 14.9162, 13.7796)	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(12.4241, 14.9162,
13.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7162
RGB	91, 113, 98
RGB Percent	36%, 44%, 38%
CMY	0.6431, 0.5569, 0.6157
CMYK	0.19, 0.00, 0.13, 0.56
HSL	139°, 11%, 40%
HSV	139°, 19%, 44%
XYZ	12.4241, 14.9162, 13.7796
YIQ	104.7120, -8.2970, -9.3290

Conversions

Conversions Part 2

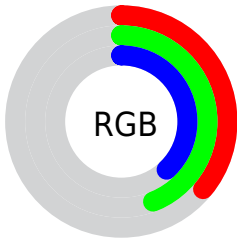
Format	Color
R_{YB}	91, 108, 113
Decimal	5992802
CIE _{Lab}	45.52, -11.42, 5.65
CIE _{LCh}	46, 12.739, 153.648
Yxy	14.9162, 0.3021, 0.3627
Android (android.graphics.Color)	4284182882 (0xFF5B7162)
YUV	104.7120, -3.3090, -12.0254
Hunter-Lab	38.6215, -10.1662, 5.8812

Details

The XYZ color **12.4241, 14.9162, 13.7796** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1531, 12.0338, 15.2658**, and the grayscale version is **13.3600, 14.0557, 15.3067**.

A 20% lighter version of the original color is **29.8645, 34.7429, 33.5658**, and **3.5923, 4.5864, 3.9447** is the 20% darker color. If you saturate the color by 10%, you get **11.0465, 14.2465, 11.9067**, and if you desaturate by 10%, it is **14.0053, 15.6877, 15.8455**.

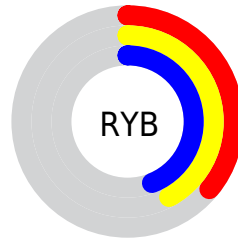
Distribution



Red (36%)

Green (44%)

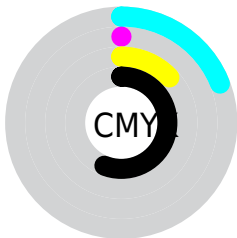
Blue (38%)



Red (36%)

Yellow (42%)

Blue (44%)

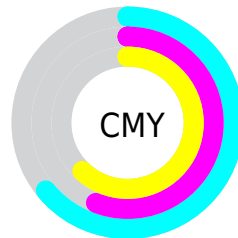


Cyan (19%)

Magenta (0%)

Yellow (13%)

Black (56%)



Cyan (64%)

Magenta (56%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4241, 14.9162, 13.7796 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 12.4241, 14.9162, 13.7796 by changing the saturation by 10% instead.

■ 12.4241, 14.9162,
13.7796

■ 12.4241, 14.9162,
13.7796

200.9062,
222.8584, 227.2359

■ 7.1074, 8.7606,
7.8305

■ 29.8754, 34.7061,
33.4089

■ 3.5763, 4.5854,
3.9005

■ 42.7408, 49.1092,
47.9263

■ 1.4654, 2.0061,
1.5709

■ 58.8531, 67.0302,
66.1368

■ 0.3021, 0.6110,
0.2699

■ 78.5777, 88.8536,
88.4590

■ 0.0000, 0.0000,
0.0000

102.2799,
114.9637, 115.3115

130.3252,

145.7450, 147.1128

163.0788,
181.5817, 184.2814

■ 12.4241, 14.9162,
13.7796

■ 12.4241, 14.9162,
13.7796

■ 11.0465, 14.2465,
11.9067

■ 14.0053, 15.6877,
15.8455

■ 9.8629, 13.6724,
10.2204

■ 15.7969, 16.5630,
18.1087

■ 8.8646, 13.1900,
8.7150

■ 17.8068, 17.5467,
20.5747

■ 8.0417, 12.7944,
7.3845

■ 20.0421, 18.6421,
23.2483

■ 7.3835, 12.4802,
6.2226

■ 22.5096, 19.8529,
26.1343

■ 6.8780, 12.2412,
5.2222

■ 25.2159, 21.1822,
29.2374

■ 6.5115, 12.0706,
4.3762

■ 28.1673, 22.6331,
32.5619

■ 6.2369, 11.9442,
3.6750

■ 31.3697, 24.2088,
36.1121

■ 6.2231, 11.9379,
3.6416

■ 34.8290, 25.9120,
39.8923

Harmonies

Analogous

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



13.0751, 14.9162, 11.8405



12.4241, 14.9162, 13.7796



12.2344, 14.9162, 16.6164

Triad

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



12.4241, 14.9162, 13.7796



14.3078, 14.9162, 22.8093



15.9473, 14.9162, 13.2097

Complementary

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



12.4241, 14.9162, 13.7796



13.1531, 12.0338, 15.2658

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.



16.3159, 14.9162, 15.8717



12.4241, 14.9162, 13.7796



15.3400, 14.9162, 21.6160

Square

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



12.4241, 14.9162, 13.7796



13.2896, 14.9162, 22.0696



16.0883, 14.9162, 18.9798



15.1039, 14.9162, 11.5415

Rectangle

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



12.4241, 14.9162, 13.7796



12.3868, 14.9162, 18.7034



16.0883, 14.9162, 18.9798



16.1327, 14.9162, 14.0052

Sweetspot

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



12.4245, 14.9168, 13.7799



26.0972, 28.5881, 29.6745



13.7418, 15.6325, 12.1908



6.0025, 6.5954, 6.8209



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.



12.4245, 14.9168, 13.7799



21.1814, 26.1912, 23.2428



12.9785, 15.1384, 16.6971



3.3848, 3.7791, 3.8324



7.0504, 13.5377, 4.0864



34.7683, 67.2959, 18.4968

Inverse Universe

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



13.1531, 12.0338, 15.2658



22.7197, 20.1032, 26.3786



12.6186, 11.8200, 12.4511



3.4714, 3.4363, 4.0093



9.2372, 4.5873, 8.3249



45.6100, 22.6893, 39.3399

Previews

White Background



This preview shows how the XYZ color 12.4241, 14.9162, 13.7796 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 12.4241, 14.9162, 13.7796 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 12.4241, 14.9162, 13.7796

Background



This preview shows how black text looks on a background with the XYZ color 12.4241, 14.9162, 13.7796.



This preview shows how white text looks on a background with the XYZ color 12.4241, 14.9162,

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

12.4241, 14.9162, 13.7796

Protanopia

14.0053, 14.7864, 12.9424

Deuteranopia

15.1357, 14.8857, 14.1321



Tritanopia

13.6250, 14.9167, 19.6139

Trichromacy



Original Color

12.4241, 14.9162, 13.7796

Protanomaly

13.2889, 14.7249, 13.2081

Deuteranomaly

13.9402, 14.7312, 13.9131

Tritanomaly

13.1698, 14.8963, 17.2201

Monochromacy



Original Color

12.4241, 14.9162, 13.7796

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0164, 14.3938, 14.6626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4241, 14.9162, 13.7796 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(91, 113, 98) looks like.

```
.text, #text, p{  
    color:rgb(91, 113, 98)  
}
```

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(91, 113, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 113, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.4241, 14.9162, 13.7796 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(91, 113, 98) }
```


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

```
.border{ border-color:rgb(91, 113, 98) }
```

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

Here you see how a box with a 4 pixel rgb(91, 113, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 113, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 113, 98);  
box-shadow:4px 4px 4px 4px rgb(91, 113,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4241, 14.9162, 13.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 113, 98) }
```

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

```
.background{ background-color: rgb(91, 113,  
98) }
```

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