

Converting Colors

XYZ(12.4083, 14.8203, 12.2704)

Have a look what the booklet for
XYZ(12.4083, 14.8203, 12.2704)
contains.

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Color

**XYZ(12.3420, 14.7407,
12.3200)**

Conversions

Conversions Part 1

Format	Color
Hex	5E705C
RGB	94, 112, 92
RGB Percent	37%, 44%, 36%
CMY	0.6314, 0.5608, 0.6392
CMYK	0.16, 0.00, 0.18, 0.56
HSL	114°, 10%, 40%
HSV	114°, 18%, 44%
XYZ	12.3420, 14.7407, 12.3200
YIQ	104.3380, -4.3080, -10.0360

Conversions

Conversions Part 2

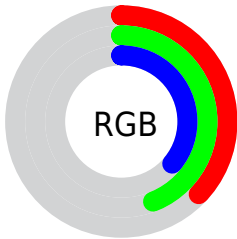
Format	Color
RYB	92, 112, 110
Decimal	6189148
CIELab	45.28, -10.93, 8.92
CIELCh	45, 14.106, 140.799
Yxy	14.7407, 0.3132, 0.3741
Android (android.graphics.Color)	4284379228 (0xFF5E705C)
YUV	104.3380, -6.0826, -9.0664
Hunter-Lab	38.3936, -9.8083, 7.8502

Details

The XYZ color **12.3420, 14.7407, 12.3200** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1828, 12.1396, 16.9783**, and the grayscale version is **13.2657, 13.9565, 15.1986**.

A 20% lighter version of the original color is **29.8350, 34.5237, 30.6824**, and **3.5455, 4.4924, 3.2650** is the 20% darker color. If you saturate the color by 10%, you get **10.9212, 14.0611, 9.8840**, and if you desaturate by 10%, it is **13.9711, 15.5201, 15.1444**.

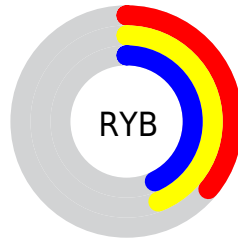
Distribution



Red (37%)

Green (44%)

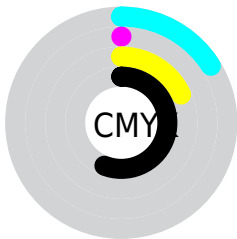
Blue (36%)



Red (36%)

Yellow (44%)

Blue (43%)

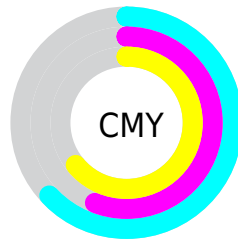


Cyan (16%)

Magenta (0%)

Yellow (18%)

Black (56%)



Cyan (63%)

Magenta (56%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3420, 14.7407, 12.3200 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 12.3420, 14.7407, 12.3200 by changing the saturation by 10% instead.

■ 12.3420, 14.7407,
12.3200

■ 12.3420, 14.7407,
12.3200

200.3805,
221.7913, 217.5650

■ 7.0509, 8.6376,
6.8368

■ 29.7280, 34.3976,
30.7497

■ 3.5406, 4.5056,
3.2834

■ 42.5535, 48.7203,
44.5332

■ 1.4457, 1.9602,
1.2411

■ 58.6213, 66.5516,
61.9207

■ 0.2884, 0.5842,
0.0128

■ 78.2966, 88.2759,
83.3305

■ 0.0000, 0.0000,
0.0000

101.9448,
114.2776, 109.1814

129.9313,

144.9412, 139.8917

162.6214,
180.6509, 175.8800

■ 12.3420, 14.7407,
12.3200

■ 12.3420, 14.7407,
12.3200

■ 10.9212, 14.0611,
9.8840

■ 13.9711, 15.5201,
15.1444

■ 9.6990, 13.4755,
7.8183

■ 15.8151, 16.4012,
18.3719

■ 8.6671, 12.9804,
6.1053

■ 17.8820, 17.3882,
22.0180

■ 7.8156, 12.5711,
4.7251

■ 20.1788, 18.4843,
26.0969

■ 7.1343, 12.2429,
3.6561

■ 22.7123, 19.6928,
30.6220

■ 6.6116, 11.9901,
2.8743

■ 25.4890, 21.0168,
35.6064

■ 6.2344, 11.8069,
2.3517

■ 28.5152, 22.4593,
41.0625

■ 5.9788, 11.6824,
2.0087

■ 31.7969, 24.0230,
47.0023

■ 5.9351, 11.6614,
1.9381

■ 35.3400, 25.7108,
53.4372

Harmonies

Analogous

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



13.2285, 14.7407, 10.7590



12.3420, 14.7407, 12.3200



11.9094, 14.7407, 15.0440

Triad

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



12.3420, 14.7407, 12.3200



13.6547, 14.7407, 23.2696



16.2156, 14.7407, 13.8737

Complementary

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



12.3420, 14.7407, 12.3200



13.1828, 12.1396, 16.9783

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.



16.3454, 14.7407, 17.1002



12.3420, 14.7407, 12.3200



14.8229, 14.7407, 22.8415

Square

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



12.3420, 14.7407, 12.3200



12.6391, 14.7407, 21.5655



15.8232, 14.7407, 20.4660



15.4778, 14.7407, 11.5658

Rectangle

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



12.3420, 14.7407, 12.3200



11.9192, 14.7407, 17.2851



15.8232, 14.7407, 20.4660



16.3334, 14.7407, 14.8754

Sweetspot

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



12.3424, 14.7413, 12.3203



25.3880, 27.6678, 28.0784



14.1904, 15.3700, 12.3443



6.0583, 6.6274, 6.6740



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.



12.3424, 14.7413, 12.3203



20.7181, 25.4347, 19.9848



12.5085, 14.7844, 14.2514



3.3732, 3.7777, 3.6247



6.8498, 13.4749, 2.2399



33.7620, 66.9390, 11.1411

Inverse Universe

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



13.1828, 12.1396, 16.9783



22.4556, 20.0544, 29.6171



13.0085, 12.0989, 14.7469



3.4832, 3.4374, 4.2341



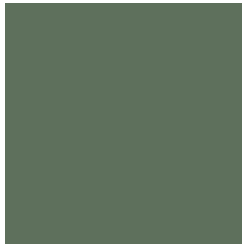
9.5497, 4.5325, 18.0931



47.1591, 22.3657, 90.1106

Previews

White Background



This preview shows how the XYZ color 12.3420, 14.7407, 12.3200 looks on a white background.

Color Contrast Check

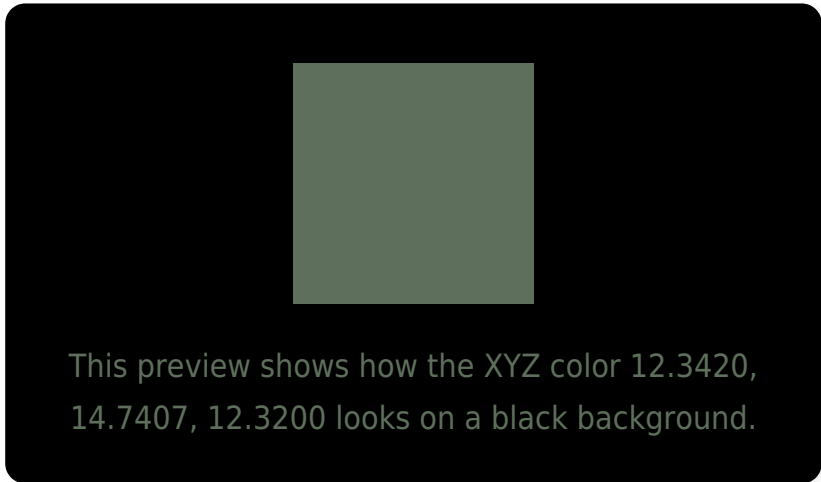
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.3420, 14.7407, 12.3200

Background



This preview shows how black text looks on a background with the XYZ color 12.3420, 14.7407, 12.3200.



This preview shows how white text looks on a background with the XYZ color 12.3420, 14.7407,

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

12.3420, 14.7407, 12.3200

Protanopia

13.8709, 14.7474, 11.5666

Deuteranopia

14.8967, 14.6462, 12.6315



Tritanopia

13.7165, 14.8183, 18.9669

Trichromacy



Original Color

12.3420, 14.7407, 12.3200

Protanomaly

13.2580, 14.7396, 11.8191

Deuteranomaly

13.8119, 14.5431, 12.4351

Tritanomaly

13.2125, 14.7760, 16.3430

Monochromacy



Original Color

12.3420, 14.7407, 12.3200

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8135, 14.1448, 14.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3420, 14.7407, 12.3200 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(94, 112, 92) looks like.

```
.text, #text, p{  
    color:rgb(94, 112, 92)  
}
```

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(94, 112, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 112, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.3420, 14.7407, 12.3200 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(94, 112, 92) }
```


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

```
.border{ border-color:rgb(94, 112, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 112, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 112, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 112, 92);  
box-shadow:4px 4px 4px 4px rgb(94, 112,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3420, 14.7407, 12.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 112, 92) }
```

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

```
.background{ background-color: rgb(94, 112,  
92) }
```

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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