

Converting Colors

XYZ(12.2243, 14.9883, 12.1612)

Have a look what the booklet for
XYZ(12.2243, 14.9883, 12.1612)
contains.

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Color

**XYZ(12.2200, 15.0141,
12.1515)**

Conversions

Conversions Part 1

Format	Color
Hex	5B725B
RGB	91, 114, 91
RGB Percent	36%, 45%, 36%
CMY	0.6431, 0.5529, 0.6431
CMYK	0.20, 0.00, 0.20, 0.55
HSL	120°, 11%, 40%
HSV	120°, 20%, 45%
XYZ	12.2200, 15.0141, 12.1515
YIQ	104.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

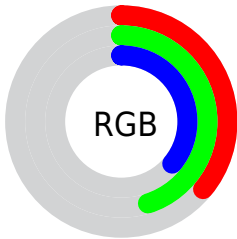
Format	Color
R_{YB}	91, 114, 114
Decimal	5993051
CIE _{Lab}	45.65, -13.39, 10.01
CIE _{LCh}	46, 16.718, 143.228
Yxy	15.0141, 0.3103, 0.3812
Android (android.graphics.Color)	4284183131 (0xFF5B725B)
YUV	104.5010, -6.6560, -11.8404
Hunter-Lab	38.7480, -11.5154, 8.5301

Details

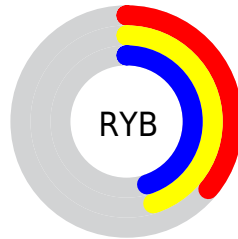
The XYZ color **12.2200, 15.0141, 12.1515** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7183, 12.2748, 17.5664**, and the grayscale version is **13.3114, 14.0047, 15.2511**.

A 20% lighter version of the original color is **29.4284, 34.8582, 30.3766**, and **3.5041, 4.6438, 3.1943** is the 20% darker color. If you saturate the color by 10%, you get **10.7255, 14.2966, 9.7066**, and if you desaturate by 10%, it is **13.9608, 15.8508, 14.9986**.

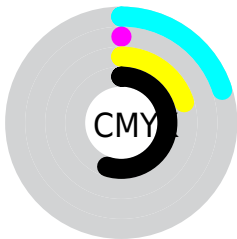
Distribution



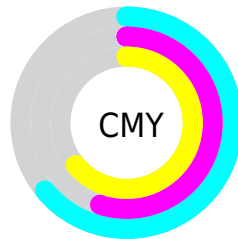
- Red (36%)
- Green (45%)
- Blue (36%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (55%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2200, 15.0141, 12.1515 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 12.2200, 15.0141, 12.1515 by changing the saturation by 10% instead.

■ 12.2200, 15.0141,
12.1515

■ 12.2200, 15.0141,
12.1515

199.5967,
223.4516, 216.4191

■ 6.9670, 8.8293,
6.7231

■ 29.5086, 34.8779,
30.4392

■ 3.4876, 4.6300,
3.2138

■ 42.2748, 49.3257,
44.1357

■ 1.4165, 2.0318,
1.2048

■ 58.2761, 67.2966,
61.4253

■ 0.2680, 0.6259,
0.0000

■ 77.8779, 89.1750,
82.7266

■ 0.0000, 0.0000,
0.0000

■ 101.4455,
115.3453, 108.4581

129.3442,

146.1919, 139.0383

161.9395,
182.0992, 174.8858

■ 12.2200, 15.0141,
12.1515

■ 12.2200, 15.0141,
12.1515

■ 10.7255, 14.2966,
9.7066

■ 13.9608, 15.8508,
14.9986

■ 9.4650, 13.6912,
7.6449

■ 15.9571, 16.8097,
18.2638

■ 8.4271, 13.1926,
5.9473

■ 18.2190, 17.8962,
21.9634

■ 7.5989, 12.7948,
4.5925

■ 20.7557, 19.1147,
26.1125

■ 6.9660, 12.4908,
3.5573

■ 23.5760, 20.4694,
30.7256

■ 6.5125, 12.2730,
2.8155

■ 26.6883, 21.9644,
35.8162

■ 6.2198, 12.1324,
2.3367

■ 30.1008, 23.6036,
41.3977

■ 6.0176, 12.0352,
2.0060

■ 33.8211, 25.3907,
47.4827

■ 37.8566, 27.3291,
54.0834

Harmonies

Analogous

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



13.2344, 15.0141, 10.2348



12.2200, 15.0141, 12.1515



11.7596, 15.0141, 15.4550

Triad

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



12.2200, 15.0141, 12.1515



13.9552, 15.0141, 25.2657



16.8912, 15.0141, 13.4906

Complementary

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



12.2200, 15.0141, 12.1515



13.7183, 12.2748, 17.5664

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.



17.1154, 15.0141, 17.2743



12.2200, 15.0141, 12.1515



15.3592, 15.0141, 24.5095

Square

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



12.2200, 15.0141, 12.1515



12.7182, 15.0141, 23.3373



16.5383, 15.0141, 21.4135



15.9442, 15.0141, 10.9150

Rectangle

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



12.2200, 15.0141, 12.1515



11.8060, 15.0141, 18.1771



16.5383, 15.0141, 21.4135



17.0561, 15.0141, 14.6456

Sweetspot

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



12.2204, 15.0147, 12.1518



25.8882, 28.5045, 28.5736



14.8457, 16.3681, 12.2745



5.9508, 6.5747, 6.5489



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.



12.2204, 15.0147, 12.1518



20.2551, 25.7987, 19.3599



12.7553, 15.2287, 14.9683



3.3451, 3.7632, 3.6234



6.6985, 13.3969, 2.2329



33.3679, 66.7358, 11.1229

Inverse Universe

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



13.7183, 12.2748, 17.5664



23.3708, 20.0992, 30.6227



13.1041, 12.0291, 14.3323



3.5144, 3.4535, 4.2355



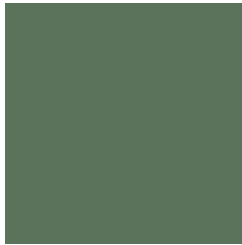
11.1057, 5.3347, 18.1646



55.3226, 26.5743, 90.4856

Previews

White Background



This preview shows how the XYZ color 12.2200, 15.0141, 12.1515 looks on a white background.

Color Contrast Check

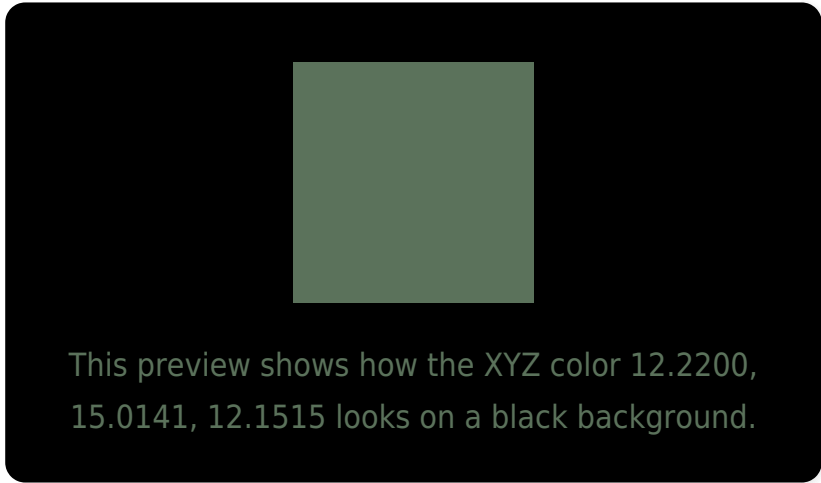
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2200, 15.0141, 12.1515

Background



This preview shows how black text looks on a background with the XYZ color 12.2200, 15.0141, 12.1515.



This preview shows how white text looks on a background with the XYZ color 12.2200, 15.0141,

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

12.2200, 15.0141, 12.1515

Protanopia

14.0634, 15.0071, 11.3880

Deuteranopia

15.0945, 14.9019, 12.4367



Tritanopia

13.7296, 14.9706, 19.6187

Trichromacy



Original Color

12.2200, 15.0141, 12.1515

Protanomaly

13.3230, 14.9373, 11.6322

Deuteranomaly

13.8499, 14.8773, 12.2669

Tritanomaly

13.0608, 14.8527, 16.6465

Monochromacy



Original Color

12.2200, 15.0141, 12.1515

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.9183, 14.3545, 14.1464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2200, 15.0141, 12.1515 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, 114, 91)` looks like.

```
.text, #text, p{  
    color:rgb(91, 114, 91)  
}
```

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, 114, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 114, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.2200, 15.0141, 12.1515 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, 114, 91) }
```


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

```
.border{ border-color:rgb(91, 114, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 114, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 114, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 114, 91);  
box-shadow:4px 4px 4px 4px rgb(91, 114,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2200, 15.0141, 12.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 114, 91) }
```

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

```
.background{ background-color: rgb(91, 114,  
91) }
```

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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