

Converting Colors

XYZ(12.2280, 15.0400, 3.6278)

Have a look what the booklet for
XYZ(12.2280, 15.0400, 3.6278)
contains.

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Color

**XYZ(12.2292, 15.0403,
3.6250)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7120
RGB	107, 113, 32
RGB Percent	42%, 44%, 13%
CMY	0.5804, 0.5569, 0.8745
CMYK	0.05, 0.00, 0.72, 0.56
HSL	64°, 56%, 28%
HSV	64°, 72%, 44%
XYZ	12.2292, 15.0403, 3.6250
YIQ	101.9720, 22.4250, -26.4630

Conversions

Conversions Part 2

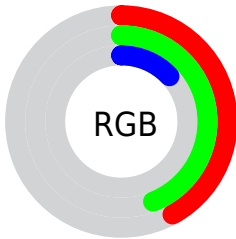
Format	Color
R_{YB}	32, 113, 38
Decimal	7041312
CIE Lab	45.69, -13.48, 42.02
CIE LCh	46, 44.131, 107.789
Yxy	15.0403, 0.3958, 0.4868
Android (android.graphics.Color)	4285231392 (0xFF6B7120)
YUV	101.9720, -34.4962, 4.4096
Hunter-Lab	38.7818, -11.5812, 21.6053

Details

The XYZ color **12.2292, 15.0403, 3.6250** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.2969, 2.6377, 15.9063**, and the grayscale version is **12.7055, 13.3672, 14.5569**.

A 20% lighter version of the original color is **29.6761, 35.0965, 13.1929**, and **3.5776, 4.6505, 0.7091** is the 20% darker color. If you saturate the color by 10%, you get **12.0012, 14.9381, 2.9459**, and if you desaturate by 10%, it is **12.5116, 15.1655, 4.5825**.

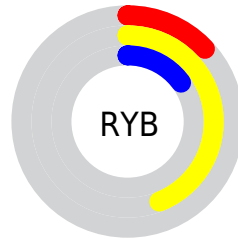
Distribution



Red (42%)

Green (44%)

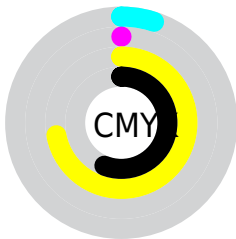
Blue (13%)



Red (13%)

Yellow (44%)

Blue (15%)

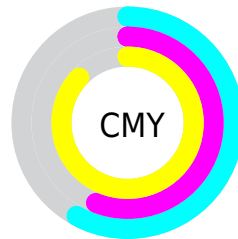


Cyan (5%)

Magenta (0%)

Yellow (72%)

Black (56%)



Cyan (58%)

Magenta (56%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2292, 15.0403, 3.6250 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 12.2292, 15.0403, 3.6250 by changing the saturation by 10% instead.

■ 12.2292, 15.0403,
3.6250

■ 12.2292, 15.0403,
3.6250

199.6559,
223.6100, 143.9613

■ 6.9733, 8.8477,
1.4220

■ 29.5251, 34.9239,
13.1352

■ 3.4916, 4.6420,
0.1588

■ 42.2958, 49.3836,
21.2795

■ 1.4187, 2.0388,
0.0000

■ 58.3022, 67.3678,
32.2413

■ 0.2695, 0.6298,
0.0000

■ 77.9095, 89.2609,
46.4390

■ 0.0000, 0.0000,
0.0000

■ 101.4832,
115.4473, 64.2914

■ 129.3886,

146.3113, 86.2169

161.9910,
182.2374, 112.6340

12.2292, 15.0403,
3.6250

12.2292, 15.0403,
3.6250

12.0012, 14.9381,
2.9459

12.5116, 15.1655,
4.5825

11.8208, 14.8545,
2.5142

12.8523, 15.3136,
5.8432

11.6875, 14.7917,
2.2391

13.2559, 15.4869,
7.4299

13.7262, 15.6871,
9.3634

14.2670, 15.9156,
11.6624

■ 14.8815, 16.1736,
14.3445

■ 15.5728, 16.4625,
17.4259

■ 16.3439, 16.7834,
20.9223

■ 17.1975, 17.1375,
24.8481

Harmonies

Analogous

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



15.8543, 15.0403, 3.4403



12.2292, 15.0403, 3.6250



9.6450, 15.0403, 6.1438

Triad

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



12.2292, 15.0403, 3.6250



10.0267, 15.0403, 36.5901



22.4415, 15.0403, 21.0774

Complementary

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



12.2292, 15.0403, 3.6250



4.2969, 2.6377, 15.9063

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.



20.2419, 15.0403, 34.2446



12.2292, 15.0403, 3.6250



12.8421, 15.0403, 45.4714

Square

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



12.2292, 15.0403, 3.6250



8.5326, 15.0403, 23.4269



16.5820, 15.0403, 44.4647



22.2002, 15.0403, 10.9047

Rectangle

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



12.2292, 15.0403, 3.6250



8.6664, 15.0403, 9.8160



16.5820, 15.0403, 44.4647



21.9493, 15.0403, 25.3539

Sweetspot

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



12.2295, 15.0410, 3.6253



25.4529, 28.4588, 20.4807



7.7453, 4.9635, 1.9165



5.8402, 6.5621, 4.5385



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.



12.2295, 15.0410, 3.6253



21.2665, 26.6452, 4.7174



8.4880, 13.1122, 3.4502



3.6187, 3.9043, 3.6362



13.2498, 16.7743, 2.5394



65.6864, 83.3966, 12.6351

Inverse Universe

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



4.2969, 2.6377, 15.9063



6.1395, 2.9386, 28.2191



6.6313, 3.8411, 16.0156



3.2384, 3.3112, 4.2227



3.4923, 1.4097, 17.8097



17.0983, 6.8689, 88.7038

Previews

White Background



This preview shows how the XYZ color 12.2292, 15.0403, 3.6250 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 12.2292, 15.0403, 3.6250 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 12.2292, 15.0403, 3.6250

Background



This preview shows how black text looks on a background with the XYZ color 12.2292, 15.0403, 3.6250.



This preview shows how white text looks on a background with the XYZ color 12.2292, 15.0403,

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

12.2292, 15.0403, 3.6250

Protanopia

13.4950, 14.8890, 3.4589

Deuteranopia

15.1604, 14.9788, 3.7612



Tritanopia

15.1591, 14.9629, 18.0087

Trichromacy



Original Color

12.2292, 15.0403, 3.6250

Protanomaly

13.0257, 14.9638, 3.4981

Deuteranomaly

14.0185, 14.9967, 3.7459

Tritanomaly

13.6449, 14.8100, 10.5270

Monochromacy



Original Color

12.2292, 15.0403, 3.6250

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2025, 13.7869, 9.0392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2292, 15.0403, 3.6250 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(107, 113, 32)` looks like.

```
.text, #text, p{  
    color:rgb(107, 113, 32)  
}
```

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(107, 113, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 113, 32) }
```

Border

The CSS property to change the border of an element to XYZ 12.2292, 15.0403, 3.6250 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(107, 113, 32) }
```


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

```
.border{ border-color:rgb(107, 113, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 113, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 113, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 113, 32);  
box-shadow:4px 4px 4px 4px rgb(107, 113,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2292, 15.0403, 3.6250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 113, 32) }
```

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

```
.background{ background-color: rgb(107,  
113, 32) }
```

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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