

Converting Colors

XYZ(12.0970, 13.2624, 3.7701)

Have a look what the booklet for
XYZ(12.0970, 13.2624, 3.7701)
contains.

XYZ(12.0407, 13.2201, 3.7508)	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(12.0407, 13.2201,
3.7508)**

Conversions

Conversions Part 1

Format	Color
Hex	726626
RGB	114, 102, 38
RGB Percent	45%, 40%, 15%
CMY	0.5529, 0.6000, 0.8510
CMYK	0.00, 0.11, 0.67, 0.55
HSL	51°, 50%, 30%
HSV	51°, 67%, 45%
XYZ	12.0407, 13.2201, 3.7508
YIQ	98.2920, 27.6960, -17.3600

Conversions

Conversions Part 2

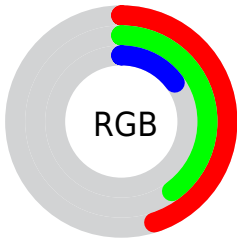
Format	Color
R_{YB}	52, 114, 38
Decimal	7497254
CIE Lab	43.09, -3.60, 36.81
CIE LCh	43, 36.984, 95.579
Yxy	13.2201, 0.4150, 0.4557
Android (android.graphics.Color)	4285687334 (0xFF726626)
YUV	98.2920, -29.7240, 13.7759
Hunter-Lab	36.3595, -4.5175, 19.3353

Details

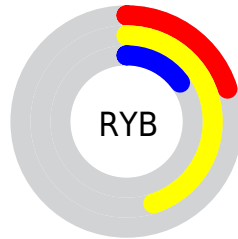
The XYZ color **12.0407, 13.2201, 3.7508** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.9772, 3.9081, 16.4117**, and the grayscale version is **11.7496, 12.3615, 13.4616**.

A 20% lighter version of the original color is **29.2194, 31.7792, 13.3981**, and **3.4805, 3.8224, 0.5543** is the 20% darker color. If you saturate the color by 10%, you get **11.7094, 12.8082, 2.8680**, and if you desaturate by 10%, it is **12.4328, 13.6635, 4.9324**.

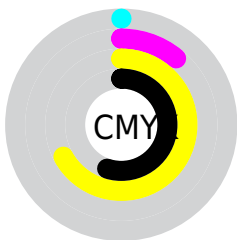
Distribution



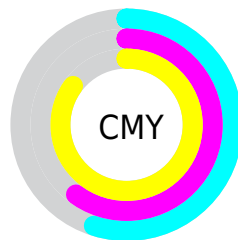
- Red (45%)
- Green (40%)
- Blue (15%)



- Red (20%)
- Yellow (45%)
- Blue (15%)



- Cyan (0%)
- Magenta (11%)
- Yellow (67%)
- Black (55%)



- Cyan (55%)
- Magenta (60%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0407, 13.2201, 3.7508 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 12.0407, 13.2201, 3.7508 by changing the saturation by 10% instead.

12.0407, 13.2201,
3.7508

12.0407, 13.2201,
3.7508

198.4390,
212.3235, 145.4139

6.8438, 7.5803,
1.4897

29.1854, 31.6986,
13.4308

3.4101, 3.8276,
0.2102

41.8640, 45.3062,
21.6868

1.3741, 1.5776,
0.0000

57.7671, 62.3384,
32.7781

0.2377, 0.3424,
0.0000

77.2601, 83.1796,
47.1233

0.0000, 0.0000,
0.0000

100.7085,
108.2144, 65.1410

128.4775,

137.8270, 87.2496

160.9326,
172.4019, 113.8677

12.0407, 13.2201,
3.7508

12.0407, 13.2201,
3.7508

11.7094, 12.8082,
2.8680

12.4328, 13.6635,
4.9324

11.4327, 12.4236,
2.2549

12.8896, 14.1385,
6.4365

11.1985, 12.0622,
1.8472

13.4154, 14.6473,
8.2856

11.1227, 11.9439,
1.7192

14.0143, 15.1916,
10.4995

14.6896, 15.7728,
13.0971

■ 15.4448, 16.3922,
16.0954

■ 16.2829, 17.0512,
19.5108

■ 17.2069, 17.7509,
23.3586

■ 18.2195, 18.4926,
27.6533

Harmonies

Analogous

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



14.9668, 13.2201, 4.3192



12.0407, 13.2201, 3.7508



9.6422, 13.2201, 5.0388

Triad

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



12.0407, 13.2201, 3.7508



8.6187, 13.2201, 25.5766



18.2370, 13.2201, 21.8967

Complementary

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



12.0407, 13.2201, 3.7508



4.9772, 3.9081, 16.4117

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.



16.0265, 13.2201, 31.2781



12.0407, 13.2201, 3.7508



10.4355, 13.2201, 33.9048

Square

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



12.0407, 13.2201, 3.7508



7.8671, 13.2201, 15.9727



13.1049, 13.2201, 36.3110



18.8380, 13.2201, 12.9237

Rectangle

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



12.0407, 13.2201, 3.7508



8.5694, 13.2201, 7.2273



13.1049, 13.2201, 36.3110



17.6428, 13.2201, 25.1980

Sweetspot

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



12.0410, 13.2207, 3.7511



25.3408, 27.3164, 21.1764



8.2229, 5.1998, 3.6640



5.8016, 6.2667, 4.6712



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.



12.0410, 13.2207, 3.7511



20.3032, 22.1373, 4.4032



10.4552, 14.2820, 4.0395



3.5992, 3.8310, 3.6231



12.3719, 13.2762, 1.9105



61.1113, 65.0978, 9.3442

Inverse Universe

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



4.9772, 3.9081, 16.4117



6.9282, 4.5398, 28.4866



5.8018, 3.6690, 16.3221



3.2562, 3.3777, 4.2346



3.6126, 1.8154, 17.8816



17.5696, 8.1911, 88.9342

Previews

White Background



This preview shows how the XYZ color 12.0407, 13.2201, 3.7508 looks on a white background.

Color Contrast Check

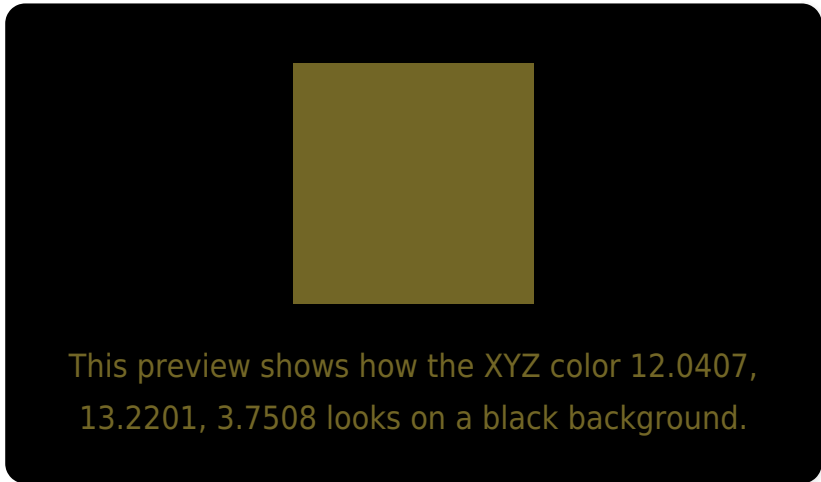
Large Text (above 18pt) WCAG AA ✓ Pass

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

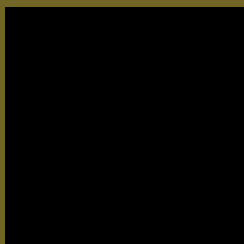
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0407, 13.2201, 3.7508

Background



This preview shows how black text looks on a background with the XYZ color 12.0407, 13.2201, 3.7508.



This preview shows how white text looks on a background with the XYZ color 12.0407, 13.2201,

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

12.0407, 13.2201, 3.7508

Protanopia

12.0407, 13.2201, 3.7508

Deuteranopia

13.4101, 13.2146, 3.8514



Tritanopia

14.2388, 13.2670, 14.6423

Trichromacy



Original Color

12.0407, 13.2201, 3.7508

Protanomaly

12.0407, 13.2201, 3.7508

Deuteranomaly

12.8541, 13.2077, 3.7913

Tritanomaly

13.1151, 13.0818, 9.2309

Monochromacy



Original Color

12.0407, 13.2201, 3.7508

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.4753, 12.3885, 8.6239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0407, 13.2201, 3.7508 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(114, 102, 38)` looks like.

```
.text, #text, p{  
    color:rgb(114, 102, 38)  
}
```

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(114, 102, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 102, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.0407, 13.2201, 3.7508 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(114, 102, 38) }
```


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

```
.border{ border-color:rgb(114, 102, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 102, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 102, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 102, 38);  
box-shadow:4px 4px 4px 4px rgb(114, 102,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0407, 13.2201, 3.7508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 102, 38) }
```

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

```
.background{ background-color: rgb(114,  
102, 38) }
```

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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