

Converting Colors

XYZ(12.7049, 14.9630, 2.2187)

Have a look what the booklet for
XYZ(12.7049, 14.9630, 2.2187)
contains.

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Color

**XYZ(12.7547, 15.0137,
2.2257)**

Conversions

Conversions Part 1

Format	Color
Hex	736F00
RGB	115, 111, 0
RGB Percent	45%, 44%, 0%
CMY	0.5490, 0.5647, 1.0000
CMYK	0.00, 0.03, 1.00, 0.55
HSL	58°, 100%, 23%
HSV	58°, 100%, 45%
XYZ	12.7547, 15.0137, 2.2257
YIQ	99.5420, 38.0150, -33.6730

Conversions

Conversions Part 2

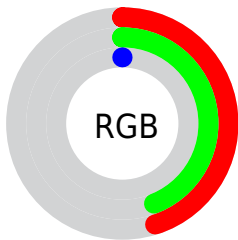
Format	Color
R_{YB}	4, 115, 0
Decimal	7565056
CIE _{Lab}	45.65, -9.76, 51.61
CIE _{LCh}	46, 52.528, 100.709
Yxy	15.0137, 0.4252, 0.5006
Android (android.graphics.Color)	4285755136 (0xFF736F00)
YUV	99.5420, -49.0742, 13.5567
Hunter-Lab	38.7475, -9.0505, 23.7176

Details

The XYZ color **12.7547, 15.0137, 2.2257** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1380, 1.3248, 16.3099**, and the grayscale version is **12.1111, 12.7418, 13.8758**.

A 20% lighter version of the original color is **30.3674, 34.7345, 9.6613**, and **3.8833, 4.7236, 0.7071** is the 20% darker color. If you saturate the color by 10%, you get **12.7550, 15.0143, 2.2258**, and if you desaturate by 10%, it is **12.8621, 15.1272, 2.5741**.

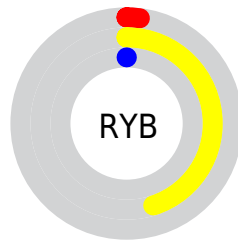
Distribution



Red (45%)

Green (44%)

Blue (0%)



Red (2%)

Yellow (45%)

Blue (0%)

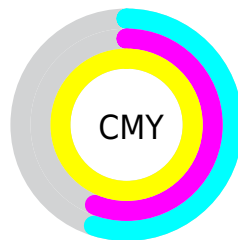


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (55%)



Cyan (55%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7547, 15.0137, 2.2257 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 12.7547, 15.0137, 2.2257 by changing the saturation by 10% instead.

■ 12.7547, 15.0137,
2.2257

■ 12.7547, 15.0137,
2.2257

203.0091,
223.4491, 125.7885

■ 7.3357, 8.8290,
0.6891

■ 30.4675, 34.8772,
9.6491

■ 3.7211, 4.6298,
0.0000

■ 43.4919, 49.3248,
16.3984

■ 1.5456, 2.0317,
0.0000

■ 59.7822, 67.2955,
25.7309

■ 0.3565, 0.6258,
0.0000


■ 79.7038, 89.1737,
38.0649


■ 0.0000, 0.0000,
0.0000


■ 103.6218,
115.3437, 53.8192


■ 131.9019,


146.1901, 73.4122


 164.9091,
182.0971, 97.2624


 12.7547, 15.0137,
2.2257


 12.7547, 15.0137,
2.2257


 12.7550, 15.0143,
2.2258

 12.8621, 15.1272,
2.5741

 12.9973, 15.2515,
3.0698

 13.1828, 15.3963,
3.8290

 13.4243, 15.5638,
4.8820

 13.7268, 15.7559,
6.2552

■ 14.0946, 15.9746,
7.9719

■ 14.5319, 16.2213,
10.0531

■ 15.0423, 16.4976,
12.5183

■ 15.6292, 16.8049,
15.3856

Harmonies

Analogous

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



17.2522, 15.0137, 2.4835



12.7547, 15.0137, 2.2257



9.4319, 15.0137, 3.9989

Triad

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



12.7547, 15.0137, 2.2257



8.7687, 15.0137, 37.7953



23.8398, 15.0137, 25.7319

Complementary

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



12.7547, 15.0137, 2.2257



3.1380, 1.3248, 16.3099

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.



20.5313, 15.0137, 42.4587



12.7547, 15.0137, 2.2257



11.6531, 15.0137, 51.5488

Square

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



12.7547, 15.0137, 2.2257



7.4657, 15.0137, 21.2768



15.9010, 15.0137, 53.5937



24.3042, 15.0137, 12.2449

Rectangle

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



12.7547, 15.0137, 2.2257



8.0891, 15.0137, 7.1262



15.9010, 15.0137, 53.5937



22.9956, 15.0137, 31.3017

Sweetspot

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



12.7550, 15.0144, 2.2260



25.9553, 29.0105, 17.6812



7.1018, 3.6576, 0.4970



6.1270, 6.8846, 3.9072



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.7550, 15.0144, 2.2260



22.8198, 26.8452, 3.9789



8.1969, 13.3266, 2.1405



3.9563, 4.2455, 3.9532



14.5784, 17.1581, 2.5435



70.9073, 83.3430, 12.3496

Inverse Universe

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



3.1380, 1.3248, 16.3099



5.5981, 2.3301, 29.1992



4.4981, 1.9615, 16.3612



3.5099, 3.6084, 4.6017



3.5839, 1.5074, 18.6446



17.3339, 7.0844, 90.8141

Previews

White Background



This preview shows how the XYZ color 12.7547, 15.0137, 2.2257 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 12.7547, 15.0137, 2.2257 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 12.7547, 15.0137, 2.2257

Background



This preview shows how black text looks on a background with the XYZ color 12.7547, 15.0137, 2.2257.



This preview shows how white text looks on a background with the XYZ color 12.7547, 15.0137,

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

12.7547, 15.0137, 2.2257

Protanopia

13.4947, 15.0749, 2.1985

Deuteranopia

15.2603, 15.0563, 2.5921



Tritanopia

15.7455, 14.9858, 17.1016

Trichromacy



Original Color

12.7547, 15.0137, 2.2257

Protanomaly

13.1837, 15.0738, 2.2147

Deuteranomaly

14.2621, 14.9971, 2.4302

Tritanomaly

13.8991, 14.6849, 8.0632

Monochromacy



Original Color

12.7547, 15.0137, 2.2257

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.7014, 13.2741, 6.7959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7547, 15.0137, 2.2257 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(115, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 111, 0)  
}
```

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(115, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7547, 15.0137, 2.2257 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(115, 111, 0) }
```


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

```
.border{ border-color:rgb(115, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7547, 15.0137, 2.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 111, 0) }
```

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

```
.background{ background-color: rgb(115,  
111, 0) }
```

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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