

Converting Colors

XYZ(12.5528, 14.5417, 3.7367)

Have a look what the booklet for
XYZ(12.5528, 14.5417, 3.7367)
contains.

XYZ(12.5821, 14.5693, 3.7391)	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(12.5821, 14.5693,
3.7391)**

Conversions

Conversions Part 1

Format	Color
Hex	716D23
RGB	113, 109, 35
RGB Percent	44%, 43%, 14%
CMY	0.5569, 0.5725, 0.8627
CMYK	0.00, 0.04, 0.69, 0.56
HSL	57°, 53%, 29%
HSV	57°, 69%, 44%
XYZ	12.5821, 14.5693, 3.7391
YIQ	101.7600, 26.1380, -22.1660

Conversions

Conversions Part 2

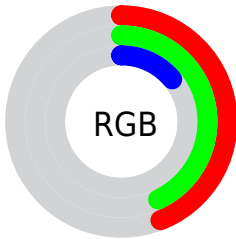
Format	Color
RYB	39, 113, 35
Decimal	7433507
CIELab	45.04, -8.27, 40.23
CIELCh	45, 41.073, 101.619
Yxy	14.5693, 0.4073, 0.4716
Android (android.graphics.Color)	4285623587 (0xFF716D23)
YUV	101.7600, -32.9127, 9.8575
Hunter-Lab	38.1698, -7.9572, 20.9108

Details

The XYZ color **12.5821, 14.5693, 3.7391** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.3994, 3.0006, 15.9702**, and the grayscale version is **12.6453, 13.3039, 14.4879**.

A 20% lighter version of the original color is **30.1074, 33.9972, 13.3628**, and **3.7725, 4.5020, 0.6701** is the 20% darker color. If you saturate the color by 10%, you get **12.3792, 14.3902, 2.9731**, and if you desaturate by 10%, it is **12.8401, 14.7722, 4.7907**.

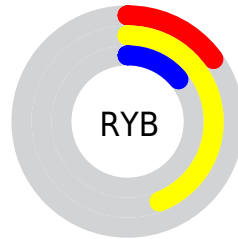
Distribution



Red (44%)

Green (43%)

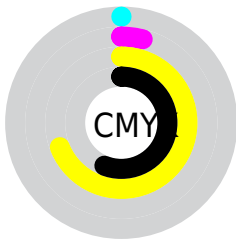
Blue (14%)



Red (15%)

Yellow (44%)

Blue (14%)

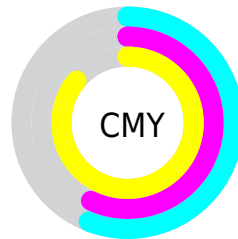


Cyan (0%)

Magenta (4%)

Yellow (69%)

Black (56%)



Cyan (56%)

Magenta (57%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5821, 14.5693, 3.7391 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 12.5821, 14.5693, 3.7391 by changing the saturation by 10% instead.

■ 12.5821, 14.5693,
3.7391

■ 12.5821, 14.5693,
3.7391

201.9140,
220.7443, 145.2798

■ 7.2164, 8.5177,
1.4833

■ 30.1587, 34.0958,
13.4034

■ 3.6453, 4.4279,
0.2055

■ 43.1003, 48.3395,
21.6491

■ 1.5035, 1.9157,
0.0000

■ 59.2979, 66.0826,
32.7284

■ 0.3282, 0.5578,
0.0000

■ 79.1170, 87.7097,
47.0600

■ 0.0000, 0.0000,
0.0000

■ 102.9227,
113.6049, 65.0624

■ 131.0806,

144.1529, 87.1542

163.9559,
179.7379, 113.7538

12.5821, 14.5693,
3.7391

12.5821, 14.5693,
3.7391

12.3792, 14.3902,
2.9731

12.8401, 14.7722,
4.7907

12.2251, 14.2306,
2.4633

13.1571, 14.9988,
6.1517

12.1015, 14.0840,
2.1123

13.5374, 15.2515,
7.8447

12.0896, 14.0698,
2.0785

13.9849, 15.5316,
9.8895

14.5031, 15.8407,
12.3047

■ 15.0954, 16.1801,
15.1075

■ 15.7646, 16.5509,
18.3139

■ 16.5138, 16.9544,
21.9392

■ 17.3457, 17.3915,
25.9978

Harmonies

Analogous

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



15.9950, 14.5693, 3.9596



12.5821, 14.5693, 3.7391



9.9714, 14.5693, 5.6355

Triad

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



12.5821, 14.5693, 3.7391



9.5432, 14.5693, 31.6738



20.9590, 14.5693, 22.4706

Complementary

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



12.5821, 14.5693, 3.7391



4.3994, 3.0006, 15.9702

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.



18.6172, 14.5693, 34.1938



12.5821, 14.5693, 3.7391



11.9017, 14.5693, 40.8237

Square

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



12.5821, 14.5693, 3.7391



8.4171, 14.5693, 19.9062



15.1954, 14.5693, 41.8977



21.2211, 14.5693, 12.4089

Rectangle

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



12.5821, 14.5693, 3.7391



8.8896, 14.5693, 8.5715



15.1954, 14.5693, 41.8977



20.3732, 14.5693, 26.4311

Sweetspot

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



12.5824, 14.5700, 3.7394



25.7227, 28.2201, 20.8719



7.7976, 4.8675, 2.5541



5.9036, 6.4996, 4.6162



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.



12.5824, 14.5700, 3.7394



21.9866, 25.5871, 4.7078



9.4498, 13.6026, 3.7178



3.6279, 3.8884, 3.6327



13.7093, 15.9511, 2.3563



68.0962, 79.0676, 11.6725

Inverse Universe

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



4.3994, 3.0006, 15.9702



6.2432, 3.3463, 28.2923



6.0219, 3.6524, 16.0105



3.2301, 3.3254, 4.2258



3.4477, 1.4858, 17.8267



16.9824, 7.0167, 88.7384

Previews

White Background



This preview shows how the XYZ color 12.5821, 14.5693, 3.7391 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 12.5821, 14.5693, 3.7391 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 12.5821, 14.5693, 3.7391

Background



This preview shows how black text looks on a background with the XYZ color 12.5821, 14.5693, 3.7391.



This preview shows how white text looks on a background with the XYZ color 12.5821, 14.5693,

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

12.5821, 14.5693, 3.7391

Protanopia

13.1542, 14.5528, 3.6290

Deuteranopia

14.6764, 14.4338, 3.8462



Tritanopia

15.1736, 14.5505, 16.7606

Trichromacy



Original Color

12.5821, 14.5693, 3.7391

Protanomaly

12.9874, 14.6225, 3.6513

Deuteranomaly

13.8884, 14.4698, 3.8112

Tritanomaly

13.9490, 14.5096, 10.2491

Monochromacy



Original Color

12.5821, 14.5693, 3.7391

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3706, 13.7174, 9.2034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5821, 14.5693, 3.7391 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(113, 109, 35)` looks like.

```
.text, #text, p{  
    color:rgb(113, 109, 35)  
}
```

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(113, 109, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 109, 35) }
```

Border

The CSS property to change the border of an element to XYZ 12.5821, 14.5693, 3.7391 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(113, 109, 35) }
```


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

```
.border{ border-color:rgb(113, 109, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 109, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 109, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 109, 35);  
box-shadow:4px 4px 4px 4px rgb(113, 109,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5821, 14.5693, 3.7391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 109, 35) }
```

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

```
.background{ background-color: rgb(113,  
109, 35) }
```

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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