

Converting Colors

XYZ(13.2300, 14.5640, 3.7695)

Have a look what the booklet for
XYZ(13.2300, 14.5640, 3.7695)
contains.

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Color

**XYZ(13.1839, 14.5647,
3.7855)**

Conversions

Conversions Part 1

Format	Color
Hex	776B24
RGB	119, 107, 36
RGB Percent	47%, 42%, 14%
CMY	0.5333, 0.5804, 0.8588
CMYK	0.00, 0.10, 0.70, 0.53
HSL	51°, 54%, 30%
HSV	51°, 70%, 47%
XYZ	13.1839, 14.5647, 3.7855
YIQ	102.4940, 29.9430, -19.5370

Conversions

Conversions Part 2

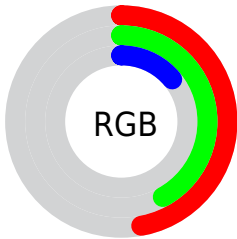
Format	Color
RYB	50, 119, 36
Decimal	7826212
CIELab	45.03, -4.25, 39.95
CIElCh	45, 40.177, 96.065
Yxy	14.5647, 0.4181, 0.4619
Android (android.graphics.Color)	4286016292 (0xFF776B24)
YUV	102.4940, -32.7815, 14.4758
Hunter-Lab	38.1637, -5.1226, 20.8336

Details

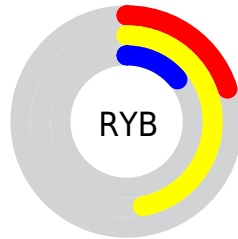
The XYZ color **13.1839, 14.5647, 3.7855** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.1143, 3.8209, 17.9207**, and the grayscale version is **12.8371, 13.5056, 14.7076**.

A 20% lighter version of the original color is **31.3221, 34.1083, 13.5270**, and **3.9998, 4.4607, 0.6502** is the 20% darker color. If you saturate the color by 10%, you get **12.8541, 14.1492, 2.9234**, and if you desaturate by 10%, it is **13.5784, 15.0129, 4.9679**.

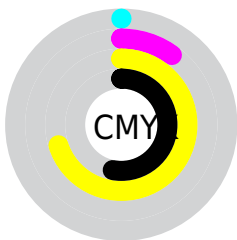
Distribution



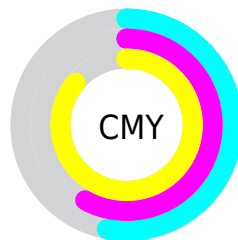
- Red (47%)
- Green (42%)
- Blue (14%)



- Red (20%)
- Yellow (47%)
- Blue (14%)



- Cyan (0%)
- Magenta (10%)
- Yellow (70%)
- Black (53%)



- Cyan (53%)
- Magenta (58%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1839, 14.5647, 3.7855 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 13.1839, 14.5647, 3.7855 by changing the saturation by 10% instead.

■ 13.1839, 14.5647,
3.7855

■ 13.1839, 14.5647,
3.7855

205.7068,
220.7161, 145.8105

■ 7.6332, 8.5145,
1.5084

■ 31.2323, 34.0877,
13.5120

■ 3.9110, 4.4259,
0.2242

■ 44.4607, 48.3293,
21.7984

■ 1.6519, 1.9145,
0.0000

■ 60.9790, 66.0700,
32.9251

■ 0.4259, 0.5571,
0.0000

■ 81.1525, 87.6944,
47.3105

■ 0.0000, 0.0000,
0.0000

■ 105.3467,
113.5868, 65.3732

■ 133.9270,

144.1317, 87.5318

167.2585,
179.7133, 114.2047

13.1839, 14.5647,
3.7855

13.1839, 14.5647,
3.7855

12.8541, 14.1492,
2.9234

13.5784, 15.0129,
4.9679

12.5818, 13.7619,
2.3475

14.0420, 15.4939,
6.4982

12.3454, 13.3945,
1.9434

14.5800, 16.0104,
8.4020

12.3394, 13.3853,
1.9333

15.1966, 16.5642,
10.7024

15.8960, 17.1569,
13.4204

■ 16.6819, 17.7901,
16.5758

■ 17.5577, 18.4651,
20.1869

■ 18.5269, 19.1835,
24.2711

■ 19.5925, 19.9463,
28.8447

Harmonies

Analogous

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



16.5792, 14.5647, 4.3757



13.1839, 14.5647, 3.7855



10.4350, 14.5647, 5.2406

Triad

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



13.1839, 14.5647, 3.7855



9.3232, 14.5647, 29.1360



20.4874, 14.5647, 24.4283

Complementary

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



13.1839, 14.5647, 3.7855



5.1143, 3.8209, 17.9207

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.



17.9230, 14.5647, 35.5400



13.1839, 14.5647, 3.7855



11.4263, 14.5647, 38.9293

Square

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



13.1839, 14.5647, 3.7855



8.4456, 14.5647, 17.8563



14.5243, 14.5647, 41.6476



21.1568, 14.5647, 14.0156

Rectangle

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



13.1839, 14.5647, 3.7855



9.2196, 14.5647, 7.7258



14.5243, 14.5647, 41.6476



19.8006, 14.5647, 28.3139

Sweetspot

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



13.1842, 14.5654, 3.7858



28.2303, 30.5283, 23.1057



8.7816, 5.4010, 3.4251



6.6233, 7.1788, 5.2134



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.1842, 14.5654, 3.7858



22.6956, 24.8887, 4.5212



11.1269, 15.4922, 4.0731



3.9237, 4.1804, 3.9424



13.1047, 14.2106, 2.0522



63.3792, 68.2869, 9.8402

Inverse Universe

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



5.1143, 3.8209, 17.9207



7.2531, 4.3749, 31.7152



6.1441, 3.7194, 17.8468



3.5394, 3.6675, 4.6116



3.7490, 1.8378, 18.6997



17.8742, 8.1649, 90.9942

Previews

White Background



This preview shows how the XYZ color 13.1839, 14.5647, 3.7855 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 13.1839, 14.5647, 3.7855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

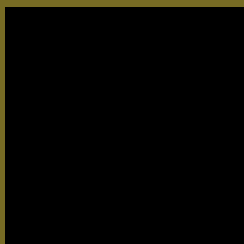
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1839, 14.5647, 3.7855

Background



This preview shows how black text looks on a background with the XYZ color 13.1839, 14.5647, 3.7855.



This preview shows how white text looks on a background with the XYZ color 13.1839, 14.5647,

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

13.1839, 14.5647, 3.7855

Protanopia

13.1839, 14.5647, 3.7855

Deuteranopia

14.6764, 14.4338, 3.8462



Tritanopia

15.7214, 14.5570, 16.1685

Trichromacy



Original Color

13.1839, 14.5647, 3.7855

Protanomaly

13.1839, 14.5647, 3.7855

Deuteranomaly

14.0863, 14.4233, 3.7918

Tritanomaly

14.5416, 14.5206, 10.0190

Monochromacy



Original Color

13.1839, 14.5647, 3.7855

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5098, 13.6388, 9.1809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1839, 14.5647, 3.7855 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(119, 107, 36)` looks like.

```
.text, #text, p{  
    color:rgb(119, 107, 36)  
}
```

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(119, 107, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 107, 36) }
```

Border

The CSS property to change the border of an element to XYZ 13.1839, 14.5647, 3.7855 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(119, 107, 36) }
```


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

```
.border{ border-color:rgb(119, 107, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 107, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 107, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 107, 36);  
box-shadow:4px 4px 4px 4px rgb(119, 107,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1839, 14.5647, 3.7855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 107, 36) }
```

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

```
.background{ background-color: rgb(119,  
107, 36) }
```

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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