

Converting Colors

XYZ(13.7596, 13.1578, 2.5101)

Have a look what the booklet for
XYZ(13.7596, 13.1578, 2.5101)
contains.

XYZ(13.7433, 13.1441, 2.5222)	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(13.7433, 13.1441,
2.5222)**

Conversions

Conversions Part 1

Format	Color
Hex	845F15
RGB	132, 95, 21
RGB Percent	52%, 37%, 8%
CMY	0.4824, 0.6274, 0.9176
CMYK	0.00, 0.28, 0.84, 0.48
HSL	40°, 73%, 30%
HSV	40°, 84%, 52%
XYZ	13.7433, 13.1441, 2.5222
YIQ	97.6270, 45.8060, -15.1700

Conversions

Conversions Part 2

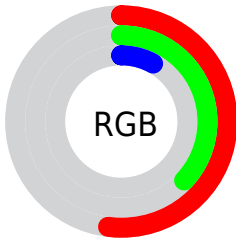
Format	Color
R_{YB}	77, 132, 21
Decimal	8675093
CIE Lab	42.98, 8.21, 44.68
CIE LCh	43, 45.425, 79.584
Yxy	13.1441, 0.4673, 0.4469
Android (android.graphics.Color)	4286865173 (0xFF845F15)
YUV	97.6270, -37.7771, 30.1451
Hunter-Lab	36.2548, 4.2191, 21.2536

Details

The XYZ color **13.7433, 13.1441, 2.5222** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.9872, 4.8514, 22.4505**, and the grayscale version is **11.6000, 12.2041, 13.2902**.

A 20% lighter version of the original color is **32.2490, 31.5245, 10.3464**, and **4.2402, 3.8163, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **13.2657, 12.3373, 1.9062**, and if you desaturate by 10%, it is **14.3075, 14.0225, 3.4813**.

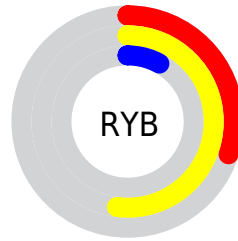
Distribution



Red (52%)

Green (37%)

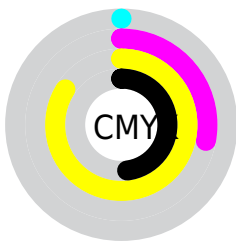
Blue (8%)



Red (30%)

Yellow (52%)

Blue (8%)

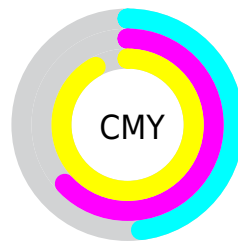


Cyan (0%)

Magenta (28%)

Yellow (84%)

Black (48%)



Cyan (48%)

Magenta (63%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7433, 13.1441, 2.5222 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 13.7433, 13.1441, 2.5222 by changing the saturation by 10% instead.

■ 13.7433, 13.1441,
2.5222

■ 13.7433, 13.1441,
2.5222

209.1707,
211.8391, 130.0210

■ 8.0228, 7.5278,
0.8519

■ 32.2229, 31.5624,
10.4247

■ 4.1615, 3.7943,
0.0000

■ 45.7128, 45.1333,
17.4984

■ 1.7939, 1.5592,
0.0000

■ 62.5233, 62.1245,
27.2116

■ 0.5140, 0.3299,
0.0000

■ 83.0196, 82.9204,
39.9830

■ 0.0000, 0.0000,
0.0000

■ 107.5671,
107.9054, 56.2311

■ 136.5312,

137.4639, 76.3744

170.2773,
171.9804, 100.8315

13.7433, 13.1441,
2.5222

13.7433, 13.1441,
2.5222

13.2657, 12.3373,
1.9062

14.3075, 14.0225,
3.4813

13.0057, 11.8855,
1.6087

14.9674, 14.9750,
4.8338

15.7313, 16.0061,
6.6194

16.6059, 17.1190,
8.8729

17.5976, 18.3167,
11.6255

■ 18.7120, 19.6021,
14.9055

■ 19.9545, 20.9778,
18.7394

■ 21.3300, 22.4462,
23.1516

■ 22.8431, 24.0098,
28.1652

Harmonies

Analogous

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



17.3572, 13.1441, 4.1126



13.7433, 13.1441, 2.5222



10.3801, 13.1441, 2.7799

Triad

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



13.7433, 13.1441, 2.5222



7.1862, 13.1441, 21.7512



18.3169, 13.1441, 30.6949

Complementary

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



13.7433, 13.1441, 2.5222



5.9872, 4.8514, 22.4505

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.



14.8750, 13.1441, 41.0532



13.7433, 13.1441, 2.5222



8.6349, 13.1441, 34.4435

Square

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



13.7433, 13.1441, 2.5222



6.9963, 13.1441, 11.1168



11.3211, 13.1441, 42.6761



20.3049, 13.1441, 18.0666

Rectangle

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



13.7433, 13.1441, 2.5222



8.6932, 13.1441, 4.0352



11.3211, 13.1441, 42.6761



17.2647, 13.1441, 34.7656

Sweetspot

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



13.7436, 13.1448, 2.5225



32.6590, 34.1866, 25.3469



10.5477, 5.7475, 4.5567



7.4631, 7.7986, 5.4831



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.7436, 13.1448, 2.5225



22.7685, 20.6542, 2.7866



15.2612, 20.1006, 3.7851



4.9124, 5.1684, 4.9681



12.5978, 11.5183, 1.5593



0.0504, 0.0534, 0.0076

Inverse Universe

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



5.9872, 4.8514, 22.4505



8.7968, 5.8554, 39.1197



5.2889, 2.6436, 22.0612



4.5519, 4.7795, 5.8834



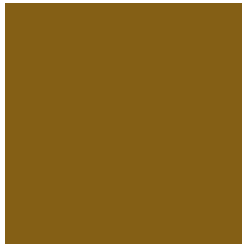
4.9092, 3.3661, 21.5277



0.0232, 0.0240, 0.0766

Previews

White Background



This preview shows how the XYZ color 13.7433, 13.1441, 2.5222 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 13.7433, 13.1441, 2.5222 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 13.7433, 13.1441, 2.5222

Background



This preview shows how black text looks on a background with the XYZ color 13.7433, 13.1441, 2.5222.



This preview shows how white text looks on a background with the XYZ color 13.7433, 13.1441,

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

13.7433, 13.1441, 2.5222

Protanopia

11.9763, 13.2094, 2.7291

Deuteranopia

13.3030, 13.1891, 2.5064



Tritanopia

15.7913, 13.2052, 12.5430

Trichromacy



Original Color

13.7433, 13.1441, 2.5222

Protanomaly

12.4918, 13.0466, 2.6189

Deuteranomaly

13.3624, 13.0834, 2.4829

Tritanomaly

14.7761, 13.0504, 7.2090

Monochromacy



Original Color

13.7433, 13.1441, 2.5222

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8106, 12.3066, 7.5473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7433, 13.1441, 2.5222 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(132, 95, 21)` looks like.

```
.text, #text, p{  
    color:rgb(132, 95, 21)  
}
```

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(132, 95, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 95, 21) }
```

Border

The CSS property to change the border of an element to XYZ 13.7433, 13.1441, 2.5222 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(132, 95, 21) }
```


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

```
.border{ border-color:rgb(132, 95, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 95, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 95, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 95, 21);  
box-shadow:4px 4px 4px 4px rgb(132, 95,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7433, 13.1441, 2.5222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 95, 21) }
```

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

```
.background{ background-color: rgb(132, 95,  
21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor