

Converting Colors

XYZ(13.4181, 11.6456, 0.0596)

Have a look what the booklet for
XYZ(13.4181, 11.6456, 0.0596)
contains.

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Color

**XYZ(13.6516, 11.7439,
1.5473)**

Conversions

Conversions Part 1

Format	Color
Hex	8A5400
RGB	138, 84, 0
RGB Percent	54%, 33%, 0%
CMY	0.4588, 0.6706, 1.0000
CMYK	0.00, 0.39, 1.00, 0.46
HSL	37°, 100%, 27%
HSV	37°, 100%, 54%
XYZ	13.6516, 11.7439, 1.5473
YIQ	90.5700, 59.1480, -14.6760

Conversions

Conversions Part 2

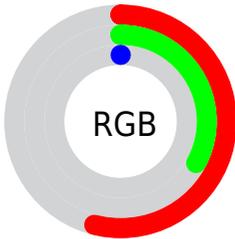
Format	Color
RYB	89, 138, 0
Decimal	9065472
CIELab	40.81, 17.00, 49.50
CIElCh	41, 52.335, 71.050
Yxy	11.7439, 0.5067, 0.4359
Android (android.graphics.Color)	4287255552 (0xFF8A5400)
YUV	90.5700, -44.6510, 41.5961
Hunter-Lab	34.2694, 11.1361, 21.3116

Details

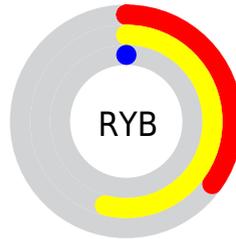
The XYZ color **13.6516, 11.7439, 1.5473** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9067, 4.4734, 24.5969**, and the grayscale version is **9.9353, 10.4527, 11.3830**.

A 20% lighter version of the original color is **32.0286, 29.0814, 7.7961**, and **4.2052, 3.2449, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **13.6517, 11.7442, 1.5473**, and if you desaturate by 10%, it is **14.1652, 12.6466, 2.1030**.

Distribution



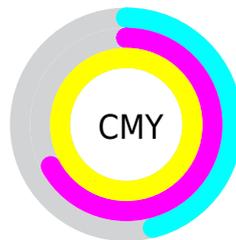
- Red (54%)
- Green (33%)
- Blue (0%)



- Red (35%)
- Yellow (54%)
- Blue (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (100%)
- Black (46%)



- Cyan (46%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6516, 11.7439, 1.5473 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 13.6516, 11.7439, 1.5473 by changing the saturation by 10% instead.

 13.6516, 11.7439,
1.5473

 13.6516, 11.7439,
1.5473

 208.6068,
202.7024, 114.8960

 7.9588, 6.5695,
0.2528

 32.0610, 29.0278,
7.7615

 4.1202, 3.1944,
0.0000

 45.5084, 41.9061,
13.6789

 1.7704, 1.2340,
0.0000

 62.2713, 58.1213,
22.0279

 0.4997, 0.0892,
0.0000

 82.7151, 78.0576,
33.2271

 0.0000, 0.0000,
0.0000

 107.2052,
102.0994, 47.6949

 136.1070,

130.6313, 65.8500

 169.7857,
164.0374, 88.1108

 13.6516, 11.7439,
1.5473

 13.6516, 11.7439,
1.5473

 13.6517, 11.7442,
1.5473

 14.1652, 12.6466,
2.1030

 14.7606, 13.6343,
2.9277

 15.4652, 14.7196,
4.1611

 16.2889, 15.9075,
5.8521

 17.2403, 17.2025,
8.0427

■ 18.3269, 18.6086,
10.7699

■ 19.5558, 20.1295,
14.0675

■ 20.9333, 21.7689,
17.9661

■ 22.4654, 23.5299,
22.4943

Harmonies

Analogous

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



17.4767, 11.7439, 3.4969



13.6516, 11.7439, 1.5473



9.8458, 11.7439, 1.3753

Triad

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



13.6516, 11.7439, 1.5473



5.5081, 11.7439, 17.1320



16.5532, 11.7439, 35.3116

Complementary

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



13.6516, 11.7439, 1.5473



5.9067, 4.4734, 24.5969

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.



12.5910, 11.7439, 45.3004



13.6516, 11.7439, 1.5473



6.5879, 11.7439, 31.5250

Square

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



13.6516, 11.7439, 1.5473



5.6690, 11.7439, 7.2187



8.9955, 11.7439, 43.6230



19.3924, 11.7439, 20.6657

Rectangle

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



13.6516, 11.7439, 1.5473



7.8626, 11.7439, 2.0384



8.9955, 11.7439, 43.6230



15.2758, 11.7439, 39.6142

Sweetspot

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



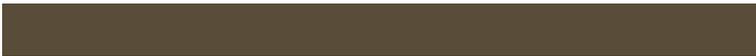
13.6519, 11.7445, 1.5475



34.3232, 35.3029, 24.3904



11.1757, 5.6811, 4.1475



7.5168, 7.6956, 4.9758



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



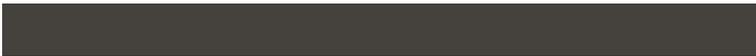
13.6519, 11.7445, 1.5475



23.9069, 20.3880, 2.6753



17.4297, 22.4770, 3.4200



5.2695, 5.5218, 5.3405



12.5311, 10.7967, 1.4235



0.0975, 0.1003, 0.0142

Inverse Universe

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



5.9067, 4.4734, 24.5969



10.2667, 7.5954, 43.3081



4.7656, 1.9269, 24.1655



4.9247, 5.1924, 6.3485



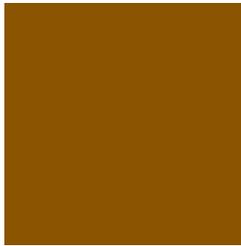
5.4289, 4.1281, 22.5564



0.0496, 0.0545, 0.1544

Previews

White Background



This preview shows how the XYZ color 13.6516, 11.7439, 1.5473 looks on a white background.

Color Contrast Check

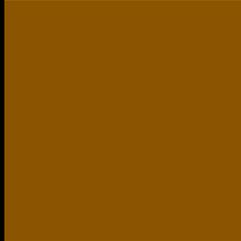
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6516, 11.7439, 1.5473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

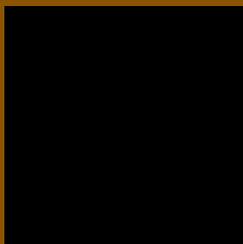
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6516, 11.7439, 1.5473

Background



This preview shows how black text looks on a background with the XYZ color 13.6516, 11.7439, 1.5473.



This preview shows how white text looks on a background with the XYZ color 13.6516, 11.7439,

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

13.6516, 11.7439, 1.5473

Protanopia

10.6362, 11.8225, 2.0085

Deuteranopia

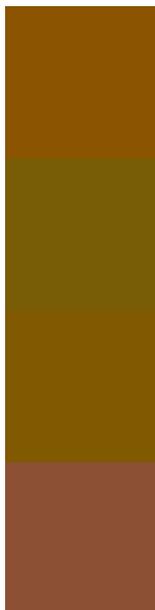
11.8532, 11.7919, 1.6513



Tritanopia

15.3091, 11.7516, 9.8489

Trichromacy



Original Color

13.6516, 11.7439, 1.5473

Protanomaly

11.6057, 11.6605, 1.8113

Deuteranomaly

12.4745, 11.7340, 1.6074

Tritanomaly

14.3265, 11.5698, 4.8463

Monochromacy



Original Color

13.6516, 11.7439, 1.5473

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.4378, 10.4731, 5.4744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6516, 11.7439, 1.5473 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(138, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 84, 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(138, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 84, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.6516, 11.7439, 1.5473 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(138, 84, 0) }
```


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

```
.border{ border-color:rgb(138, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6516, 11.7439, 1.5473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 84, 0) }
```

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

```
.background{ background-color: rgb(138, 84,  
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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