

Converting Colors

XYZ(13.3977, 12.5817, 2.0095)

Have a look what the booklet for
XYZ(13.3977, 12.5817, 2.0095)
contains.

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Color

**XYZ(13.3977, 12.5817,
2.0095)**

Conversions

Conversions Part 1

Format	Color
Hex	845C0A
RGB	132, 92, 10
RGB Percent	52%, 36%, 4%
CMY	0.4824, 0.6392, 0.9608
CMYK	0.00, 0.30, 0.92, 0.48
HSL	40°, 86%, 28%
HSV	40°, 92%, 52%
XYZ	13.3977, 12.5817, 2.0095
YIQ	94.6120, 50.1620, -17.0220

Conversions

Conversions Part 2

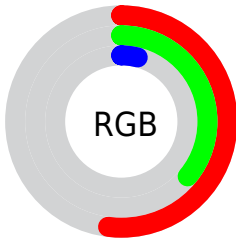
Format	Color
R_{YB}	70, 132, 10
Decimal	8674314
CIE Lab	42.13, 9.67, 47.36
CIE LCh	42, 48.342, 78.458
Yxy	12.5817, 0.4787, 0.4495
Android (android.graphics.Color)	4286864394 (0xFF845C0A)
YUV	94.6120, -41.7137, 32.7893
Hunter-Lab	35.4707, 5.3479, 21.4706

Details

The XYZ color **13.3977, 12.5817, 2.0095** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4307, 4.0117, 22.3180**, and the grayscale version is **10.8729, 11.4391, 12.4572**.

A 20% lighter version of the original color is **31.5847, 30.5350, 9.0796**, and **4.1189, 3.5737, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **13.0652, 12.0044, 1.6285**, and if you desaturate by 10%, it is **13.8856, 13.3945, 2.6749**.

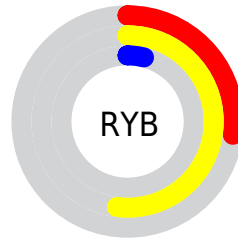
Distribution



Red (52%)

Green (36%)

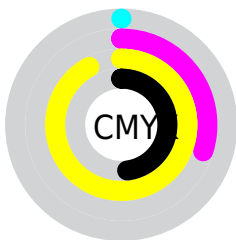
Blue (4%)



Red (27%)

Yellow (52%)

Blue (4%)

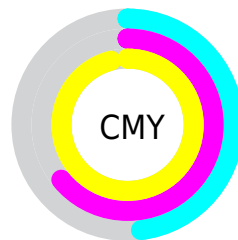


Cyan (0%)

Magenta (30%)

Yellow (92%)

Black (48%)



Cyan (48%)

Magenta (64%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3977, 12.5817, 2.0095 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 13.3977, 12.5817, 2.0095 by changing the saturation by 10% instead.

■ 13.3977, 12.5817,
2.0095

■ 13.3977, 12.5817,
2.0095

207.0375,
208.2192, 122.5241

■ 7.7819, 7.1411,
0.5611

■ 31.6117, 30.5502,
9.0668

■ 4.0063, 3.5505,
0.0000

■ 44.9406, 43.8470,
15.5663

■ 1.7057, 1.4255,
0.0000

■ 61.5712, 60.5312,
24.6045

■ 0.4598, 0.2354,
0.0000

■ 81.8689, 80.9874,
36.5998


■ 0.0000, 0.0000,
0.0000


■ 106.1990,
105.5999, 51.9710


■ 134.9269,


134.7531, 71.1363


 168.4179,
168.8314, 94.5145


 13.3977, 12.5817,
2.0095


 13.3977, 12.5817,
2.0095


 13.0652, 12.0044,
1.6285

 13.8856, 13.3945,
2.6749

 14.4610, 14.2766,
3.6950

 15.1331, 15.2328,
5.1156

 15.9096, 16.2666,
6.9751

 16.7973, 17.3813,
9.3077

■ 17.8023, 18.5798,
12.1440

■ 18.9301, 19.8649,
15.5121

■ 20.1861, 21.2392,
19.4380

■ 21.5750, 22.7050,
23.9458

Harmonies

Analogous

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



17.1615, 12.5817, 3.5738



13.3977, 12.5817, 2.0095



9.8981, 12.5817, 2.1866

Triad

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



13.3977, 12.5817, 2.0095



6.5209, 12.5817, 20.9833



17.9237, 12.5817, 31.5002

Complementary

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



13.3977, 12.5817, 2.0095



5.4307, 4.0117, 22.3180

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.



14.2867, 12.5817, 42.4201



13.3977, 12.5817, 2.0095



7.9304, 12.5817, 34.5390

Square

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



13.3977, 12.5817, 2.0095



6.3778, 12.5817, 10.1033



10.6263, 12.5817, 43.7487



20.1036, 12.5817, 18.0611

Rectangle

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



13.3977, 12.5817, 2.0095



8.1494, 12.5817, 3.3010



10.6263, 12.5817, 43.7487



16.8009, 12.5817, 35.8250

Sweetspot

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



13.3980, 12.5823, 2.0097



32.0869, 33.5695, 23.5312



10.2146, 5.3588, 3.5898



7.3030, 7.6222, 4.9863



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.



13.3980, 12.5823, 2.0097



22.8740, 20.8653, 2.8218



14.9459, 19.9475, 3.3498



4.9145, 5.1725, 4.9687



12.6553, 11.6332, 1.5784



0.0505, 0.0537, 0.0077

Inverse Universe

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



5.4307, 4.0117, 22.3180



8.7512, 5.7642, 39.1045



4.8187, 2.1642, 21.9936



4.5500, 4.7756, 5.8827



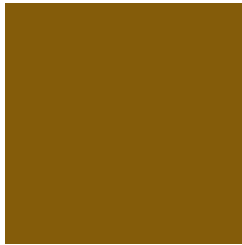
4.8834, 3.3145, 21.5191



0.0230, 0.0237, 0.0766

Previews

White Background



This preview shows how the XYZ color 13.3977, 12.5817, 2.0095 looks on a white background.

Color Contrast Check

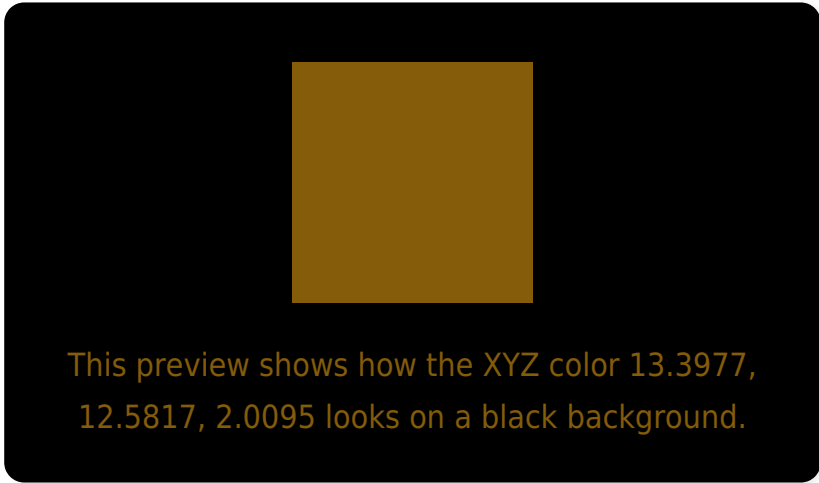
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.3977, 12.5817, 2.0095

Background



This preview shows how black text looks on a background with the XYZ color 13.3977, 12.5817, 2.0095.



This preview shows how white text looks on a background with the XYZ color 13.3977, 12.5817,

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

13.3977, 12.5817, 2.0095

Protanopia

11.4399, 12.6541, 2.2203

Deuteranopia

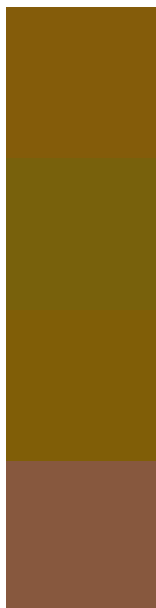
12.7238, 12.6310, 1.9110



Tritanopia

15.4129, 12.6625, 11.7570

Trichromacy



Original Color

13.3977, 12.5817, 2.0095

Protanomaly

12.0868, 12.5690, 2.1368

Deuteranomaly

12.9431, 12.6099, 1.9528

Tritanomaly

14.3509, 12.4781, 6.2096

Monochromacy



Original Color

13.3977, 12.5817, 2.0095

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.1125, 11.5637, 6.4968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3977, 12.5817, 2.0095 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, 92, 10)` looks like.

```
.text, #text, p{  
    color:rgb(132, 92, 10)  
}
```

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, 92, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 92, 10) }
```

Border

The CSS property to change the border of an element to XYZ 13.3977, 12.5817, 2.0095 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, 92, 10) }
```


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

```
.border{ border-color:rgb(132, 92, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 92, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 92, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 92, 10);  
box-shadow:4px 4px 4px 4px rgb(132, 92,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3977, 12.5817, 2.0095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 92, 10) }
```

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

```
.background{ background-color: rgb(132, 92,  
10) }
```

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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