

Converting Colors

XYZ(14.0359, 12.0202, 1.9782)

Have a look what the booklet for
XYZ(14.0359, 12.0202, 1.9782)
contains.

XYZ(13.9752, 12.0177, 1.9985)	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(13.9752, 12.0177,
1.9985)**

Conversions

Conversions Part 1

Format	Color
Hex	8B550E
RGB	139, 85, 14
RGB Percent	55%, 33%, 5%
CMY	0.4549, 0.6666, 0.9451
CMYK	0.00, 0.39, 0.90, 0.45
HSL	34°, 82%, 30%
HSV	34°, 90%, 55%
XYZ	13.9752, 12.0177, 1.9985
YIQ	93.0520, 54.9750, -10.6330

Conversions

Conversions Part 2

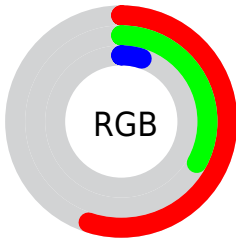
Format	Color
RYB	109, 139, 14
Decimal	9131278
CIELab	41.24, 17.16, 45.94
CIELCh	41, 49.040, 69.518
Yxy	12.0177, 0.4993, 0.4293
Android (android.graphics.Color)	4287321358 (0xFF8B550E)
YUV	93.0520, -38.9726, 40.2964
Hunter-Lab	34.6666, 11.2926, 20.8486

Details

The XYZ color **13.9752, 12.0177, 1.9985** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9082, 6.0913, 25.2374**, and the grayscale version is **10.4962, 11.0428, 12.0256**.

A 20% lighter version of the original color is **32.6441, 29.5799, 8.9900**, and **4.2928, 3.2900, 0.4088** is the 20% darker color. If you saturate the color by 10%, you get **13.4439, 11.0811, 1.4332**, and if you desaturate by 10%, it is **14.5976, 13.0560, 2.8431**.

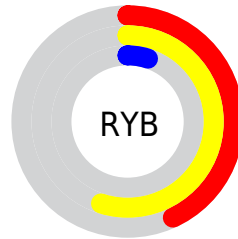
Distribution



Red (55%)

Green (33%)

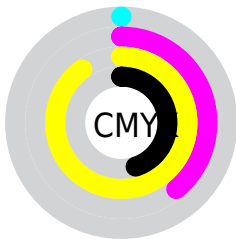
Blue (5%)



Red (43%)

Yellow (55%)

Blue (5%)

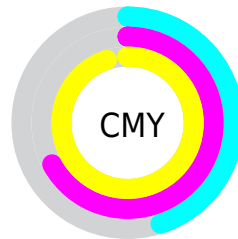


Cyan (0%)

Magenta (39%)

Yellow (90%)

Black (45%)



Cyan (45%)

Magenta (67%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9752, 12.0177, 1.9985 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 13.9752, 12.0177, 1.9985 by changing the saturation by 10% instead.

■ 13.9752, 12.0177,
1.9985

■ 13.9752, 12.0177,
1.9985

210.5902,
204.5224, 122.3535

■ 8.1850, 6.7557,
0.5544

■ 32.6317, 29.5273,
9.0367

■ 4.2664, 3.3098,
0.0000

■ 46.2286, 42.5438,
15.5232

■ 1.8539, 1.2955,
0.0000

■ 63.1586, 58.9139,
24.5460

■ 0.5498, 0.1377,
0.0000


■ 83.7868, 79.0220,
36.5236


■ 0.0000, 0.0000,
0.0000


■ 108.4787,
103.2525, 51.8746


■ 137.5997,


131.9898, 71.0176


 171.5151,
165.6183, 94.3710


 13.9752, 12.0177,
1.9985


 13.9752, 12.0177,
1.9985


 13.4439, 11.0811,
1.4332


 14.5976, 13.0560,
2.8431

 13.4401, 11.0745,
1.4292

 15.3376, 14.2065,
4.1057

 16.2059, 15.4755,
5.8362

 17.2113, 16.8680,
8.0774

 18.3618, 18.3886,
10.8671

■ 19.6648, 20.0416,
14.2397

■ 21.1271, 21.8310,
18.2264

■ 22.7548, 23.7605,
22.8565

■ 24.5538, 25.8337,
28.1572

Harmonies

Analogous

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



17.5231, 12.0177, 4.1843



13.9752, 12.0177, 1.9985



10.3329, 12.0177, 1.7354

Triad

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



13.9752, 12.0177, 1.9985



5.9361, 12.0177, 16.5828



16.3274, 12.0177, 34.6366

Complementary

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



13.9752, 12.0177, 1.9985



6.9082, 6.0913, 25.2374

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.



12.5861, 12.0177, 43.2887



13.9752, 12.0177, 1.9985



6.9329, 12.0177, 29.8347

Square

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



13.9752, 12.0177, 1.9985



6.1565, 12.0177, 7.3779



9.2012, 12.0177, 41.1822



19.0642, 12.0177, 21.1658

Rectangle

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



13.9752, 12.0177, 1.9985



8.3847, 12.0177, 2.3930



9.2012, 12.0177, 41.1822



15.1174, 12.0177, 38.4557

Sweetspot

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



13.9755, 12.0183, 1.9987



35.8034, 36.6190, 27.0707



11.8529, 6.2224, 6.0720



8.0788, 8.2254, 5.7805



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.9755, 12.0183, 1.9987



23.9024, 19.4990, 2.5039



18.6202, 23.2954, 3.9306



5.2531, 5.4891, 5.3350



12.1477, 10.0299, 1.2957



0.0953, 0.0958, 0.0135

Inverse Universe

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



6.9082, 6.0913, 25.2374



11.0848, 8.8166, 44.8605



5.1555, 2.3526, 24.6082



4.9407, 5.2244, 6.3539



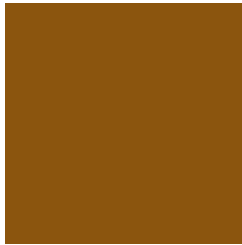
5.6830, 4.6363, 22.6411



0.0519, 0.0590, 0.1551

Previews

White Background



This preview shows how the XYZ color 13.9752, 12.0177, 1.9985 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 13.9752, 12.0177, 1.9985

Background



This preview shows how black text looks on a background with the XYZ color 13.9752, 12.0177, 1.9985.



This preview shows how white text looks on a background with the XYZ color 13.9752, 12.0177,

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

13.9752, 12.0177, 1.9985

Protanopia

10.9073, 12.0940, 2.3318

Deuteranopia

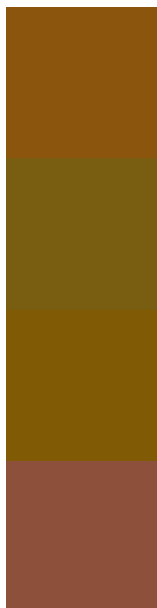
12.2375, 12.1182, 1.7515



Tritanopia

15.5910, 11.9986, 10.0886

Trichromacy



Original Color

13.9752, 12.0177, 1.9985

Protanomaly

11.9007, 11.9341, 2.2066

Deuteranomaly

12.7423, 11.9926, 1.8155

Tritanomaly

14.7164, 11.8633, 5.6519

Monochromacy



Original Color

13.9752, 12.0177, 1.9985

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.0120, 10.9975, 6.3928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9752, 12.0177, 1.9985 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(139, 85, 14)` looks like.

```
.text, #text, p{  
    color:rgb(139, 85, 14)  
}
```

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(139, 85, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 85, 14) }
```

Border

The CSS property to change the border of an element to XYZ 13.9752, 12.0177, 1.9985 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(139, 85, 14) }
```


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

```
.border{ border-color:rgb(139, 85, 14) }
```

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

Here you see how a box with a 4 pixel rgb(139, 85, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 85, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 85, 14);  
box-shadow:4px 4px 4px 4px rgb(139, 85,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9752, 12.0177, 1.9985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 85, 14) }
```

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

```
.background{ background-color: rgb(139, 85,  
14) }
```

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