

Converting Colors

XYZ(13.9946, 11.7362, 1.8252)

Have a look what the booklet for
XYZ(13.9946, 11.7362, 1.8252)
contains.

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Color

**XYZ(13.8873, 11.6320,
1.8004)**

Conversions

Conversions Part 1

Format	Color
Hex	8C520A
RGB	140, 82, 10
RGB Percent	55%, 32%, 4%
CMY	0.4510, 0.6784, 0.9608
CMYK	0.00, 0.41, 0.93, 0.45
HSL	33°, 87%, 29%
HSV	33°, 93%, 55%
XYZ	13.8873, 11.6320, 1.8004
YIQ	91.1340, 57.6800, -10.0960

Conversions

Conversions Part 2

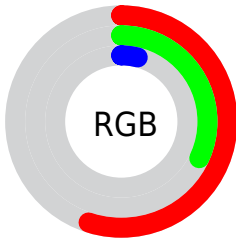
Format	Color
R_YB	115, 140, 10
Decimal	9196042
CIE Lab	40.63, 19.27, 46.68
CIE LCh	41, 50.500, 67.563
Yxy	11.6320, 0.5083, 0.4258
Android (android.graphics.Color)	4287386122 (0xFF8C520A)
YUV	91.1340, -39.9991, 42.8555
Hunter-Lab	34.1057, 12.9973, 20.7442

Details

The XYZ color **13.8873, 11.6320, 1.8004** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9258, 6.0919, 25.6215**, and the grayscale version is **10.0539, 10.5775, 11.5189**.

A 20% lighter version of the original color is **32.4372, 28.8672, 8.5649**, and **4.3177, 3.2080, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **13.5071, 10.9593, 1.4035**, and if you desaturate by 10%, it is **14.4903, 12.6620, 2.5446**.

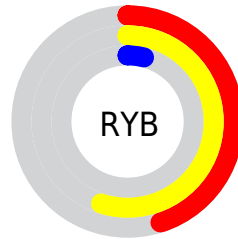
Distribution



Red (55%)

Green (32%)

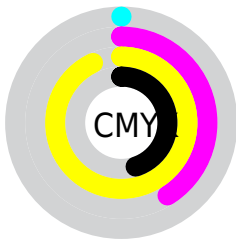
Blue (4%)



Red (45%)

Yellow (55%)

Blue (4%)

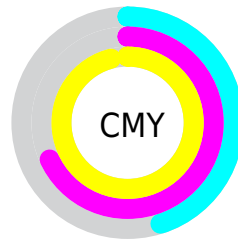


Cyan (0%)

Magenta (41%)

Yellow (93%)

Black (45%)



Cyan (45%)


Magenta (68%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8873, 11.6320, 1.8004 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 13.8873, 11.6320, 1.8004 by changing the saturation by 10% instead.


 13.8873, 11.6320,
1.8004


 13.8873, 11.6320,
1.8004


 210.0533,
201.9536, 119.1961


 8.1235, 6.4936,
0.4282


 32.4769, 28.8231,
8.4876


 4.2265, 3.1475,
0.0000

 46.0333, 41.6446,
14.7328


 1.8311, 1.2092,
0.0000

 62.9181, 57.7959,
23.4706

 0.5363, 0.0692,
0.0000


 83.4964, 77.6614,
35.1194


 0.0000, 0.0000,
0.0000


 108.1338,
101.6255, 50.0979


 137.1955,


130.0727, 68.8244


 171.0468,
163.3872, 91.7177


 13.8873, 11.6320,
1.8004


 13.8873, 11.6320,
1.8004


 13.5071, 10.9593,
1.4035

 14.4903, 12.6620,
2.5446

 15.2120, 13.8093,
3.6977

 16.0637, 15.0807,
5.3134

 17.0550, 16.4816,
7.4370

 18.1944, 18.0170,
10.1086

■ 19.4896, 19.6916,
13.3639

■ 20.9477, 21.5096,
17.2358

■ 22.5754, 23.4751,
21.7544

■ 24.3787, 25.5921,
26.9483

Harmonies

Analogous

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



17.4366, 11.6320, 4.0648



13.8873, 11.6320, 1.8004



10.1770, 11.6320, 1.4650

Triad

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



13.8873, 11.6320, 1.8004



5.5530, 11.6320, 15.4322



15.7894, 11.6320, 35.5051

Complementary

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



13.8873, 11.6320, 1.8004



6.9258, 6.0919, 25.6215

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.



11.9839, 11.6320, 43.8453



13.8873, 11.6320, 1.8004



6.4595, 11.6320, 28.8223

Square

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



13.8873, 11.6320, 1.8004



5.8486, 11.6320, 6.5476



8.6381, 11.6320, 40.9005



18.6893, 11.6320, 21.7447

Rectangle

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



13.8873, 11.6320, 1.8004



8.1747, 11.6320, 2.0104



8.6381, 11.6320, 40.9005



14.5451, 11.6320, 39.2987

Sweetspot

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



13.8876, 11.6326, 1.8006



35.4220, 36.0532, 26.3366



11.9824, 6.2160, 6.1177



7.9405, 8.0286, 5.4881



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.



13.8876, 11.6326, 1.8006



23.6518, 18.9978, 2.4204



19.1847, 23.8052, 3.8710



5.2475, 5.4777, 5.3331



12.0216, 9.7777, 1.2537



0.0945, 0.0942, 0.0132

Inverse Universe

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



6.9258, 6.0919, 25.6215



11.2711, 9.1891, 44.9226



5.0645, 2.2252, 24.9733



4.9463, 5.2356, 6.3557



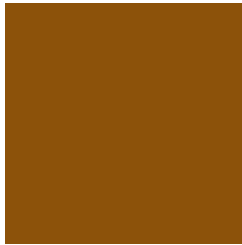
5.7781, 4.8264, 22.6727



0.0526, 0.0606, 0.1554

Previews

White Background



This preview shows how the XYZ color 13.8873, 11.6320, 1.8004 looks on a white background.

Color Contrast Check

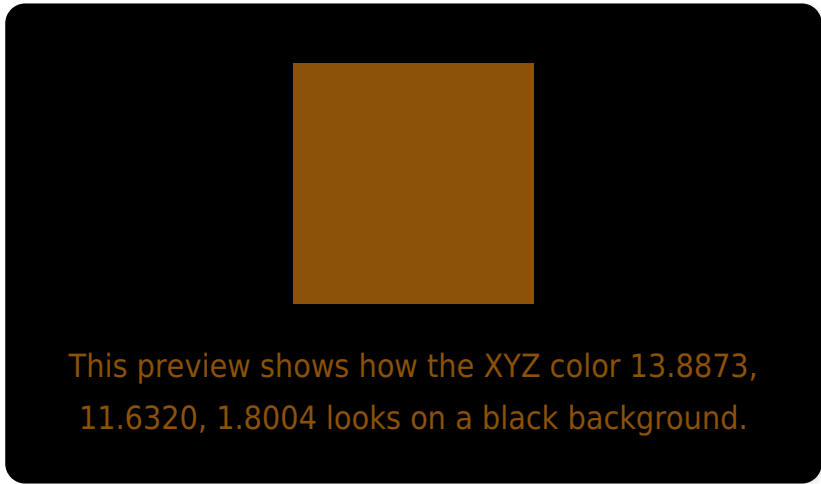
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8873, 11.6320, 1.8004

Background



This preview shows how black text looks on a background with the XYZ color 13.8873, 11.6320, 1.8004.



This preview shows how white text looks on a background with the XYZ color 13.8873, 11.6320,

1.8004.

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

13.8873, 11.6320, 1.8004

Protanopia

10.6676, 11.8351, 2.1741

Deuteranopia

11.7671, 11.6197, 1.6226



Tritanopia

15.4351, 11.6177, 9.4116

Trichromacy



Original Color

13.8873, 11.6320, 1.8004

Protanomaly

11.6455, 11.6764, 2.0208

Deuteranomaly

12.5649, 11.6553, 1.7023

Tritanomaly

14.5935, 11.4851, 5.1891

Monochromacy



Original Color

13.8873, 11.6320, 1.8004

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.6659, 10.5785, 6.0371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8873, 11.6320, 1.8004 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(140, 82, 10)` looks like.

```
.text, #text, p{  
    color:rgb(140, 82, 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(140, 82, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 82, 10) }
```

Border

The CSS property to change the border of an element to XYZ 13.8873, 11.6320, 1.8004 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(140, 82, 10) }
```


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

```
.border{ border-color:rgb(140, 82, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 82, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 82, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 82, 10);  
box-shadow:4px 4px 4px 4px rgb(140, 82,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8873, 11.6320, 1.8004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 82, 10) }
```

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

```
.background{ background-color: rgb(140, 82,  
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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