

Converting Colors

XYZ(13.6651, 11.9801, 2.0876)

Have a look what the booklet for
XYZ(13.6651, 11.9801, 2.0876)
contains.

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Color

**XYZ(13.7378, 12.0114,
2.0846)**

Conversions

Conversions Part 1

Format	Color
Hex	895610
RGB	137, 86, 16
RGB Percent	54%, 34%, 6%
CMY	0.4627, 0.6627, 0.9372
CMYK	0.00, 0.37, 0.88, 0.46
HSL	35°, 79%, 30%
HSV	35°, 88%, 54%
XYZ	13.7378, 12.0114, 2.0846
YIQ	93.2690, 52.8660, -10.9580

Conversions

Conversions Part 2

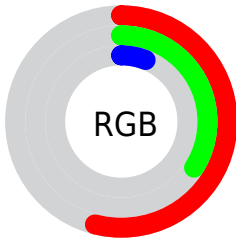
Format	Color
R_{YB}	104, 137, 16
Decimal	9000464
CIE _{Lab}	41.23, 15.70, 45.18
CIE _{LCh}	41, 47.826, 70.836
Yxy	12.0114, 0.4936, 0.4315
Android (android.graphics.Color)	4287190544 (0xFF895610)
YUV	93.2690, -38.0936, 38.3521
Hunter-Lab	34.6575, 10.1047, 20.6940

Details

The XYZ color **13.7378, 12.0114, 2.0846** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.7360, 5.9303, 24.4562**, and the grayscale version is **10.5455, 11.0947, 12.0822**.

A 20% lighter version of the original color is **32.3230, 29.6157, 9.3230**, and **4.2726, 3.3797, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **13.2146, 11.0945, 1.5111**, and if you desaturate by 10%, it is **14.3549, 13.0265, 2.9663**.

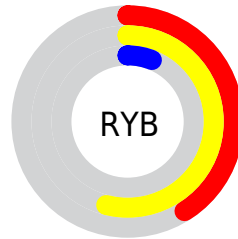
Distribution



Red (54%)

Green (34%)

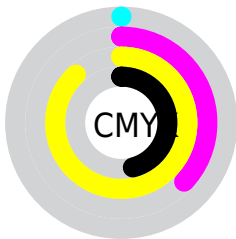
Blue (6%)



Red (41%)

Yellow (54%)

Blue (6%)

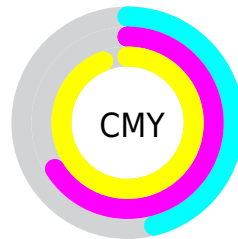


Cyan (0%)

Magenta (37%)

Yellow (88%)

Black (46%)



Cyan (46%)


Magenta (66%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7378, 12.0114, 2.0846 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 13.7378, 12.0114, 2.0846 by changing the saturation by 10% instead.


 13.7378, 12.0114,
2.0846


 13.7378, 12.0114,
2.0846


209.1369,
204.4807, 123.6769


 8.0190, 6.7514,
0.6066


 32.2132, 29.5159,
9.2708

 4.1590, 3.3071,
0.0000

 45.7006, 42.5292,
15.8585

 1.7925, 1.2941,
0.0000

 62.5082, 58.8957,
25.0007

 0.5131, 0.1366,
0.0000


 83.0013, 78.9999,
37.1158


 0.0000, 0.0000,
0.0000


 107.5454,
103.2261, 52.6224


 136.5058,


131.9587, 71.9391


 170.2479,
165.5821, 95.4844


 13.7378, 12.0114,
2.0846


 13.7378, 12.0114,
2.0846


 13.2146, 11.0945,
1.5111


 14.3549, 13.0265,
2.9663

 13.1311, 10.9478,
1.4211

 15.0858, 14.1475,
4.2601

 15.9402, 15.3803,
6.0129

 16.9267, 16.7294,
8.2651

 18.0528, 18.1991,
11.0524

■ 19.3252, 19.7933,
14.4075

■ 20.7505, 21.5158,
18.3601

■ 22.3345, 23.3701,
22.9382

■ 24.0828, 25.3595,
28.1677

Harmonies

Analogous

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



17.2129, 12.0114, 4.1684



13.7378, 12.0114, 2.0846



10.2132, 12.0114, 1.8815

Triad

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



13.7378, 12.0114, 2.0846



6.0580, 12.0114, 16.9889



16.3318, 12.0114, 33.3859

Complementary

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



13.7378, 12.0114, 2.0846



6.7360, 5.9303, 24.4562

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.



12.7108, 12.0114, 42.0563



13.7378, 12.0114, 2.0846



7.0937, 12.0114, 29.8697

Square

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



13.7378, 12.0114, 2.0846



6.2231, 12.0114, 7.7765



9.3726, 12.0114, 40.5183



18.9069, 12.0114, 20.3666

Rectangle

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



13.7378, 12.0114, 2.0846



8.3401, 12.0114, 2.6029



9.3726, 12.0114, 40.5183



15.1693, 12.0114, 37.1434

Sweetspot

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



13.7381, 12.0120, 2.0848



35.0339, 35.9684, 26.9582



11.5584, 6.1116, 6.1091



7.6972, 7.8701, 5.6110



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.



13.7381, 12.0120, 2.0848



23.3522, 19.2786, 2.4903



18.0821, 22.5903, 3.8977



5.2574, 5.4975, 5.3364



12.2438, 10.2220, 1.3277



0.0959, 0.0970, 0.0137

Inverse Universe

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



6.7360, 5.9303, 24.4562



10.6179, 8.2979, 43.4252



5.0790, 2.3718, 23.8566



4.9366, 5.2161, 6.3525



5.6147, 4.4996, 22.6183



0.0513, 0.0578, 0.1549

Previews

White Background



This preview shows how the XYZ color 13.7378, 12.0114, 2.0846 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 13.7378, 12.0114, 2.0846 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 13.7378, 12.0114, 2.0846

Background



This preview shows how black text looks on a background with the XYZ color 13.7378, 12.0114, 2.0846.



This preview shows how white text looks on a background with the XYZ color 13.7378, 12.0114,

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

13.7378, 12.0114, 2.0846

Protanopia

10.9156, 12.0974, 2.3758

Deuteranopia

12.2813, 12.1357, 1.9823



Tritanopia

15.3636, 11.9847, 10.3076

Trichromacy



Original Color

13.7378, 12.0114, 2.0846

Protanomaly

11.8576, 12.0421, 2.2717

Deuteranomaly

12.7758, 12.0060, 1.9919

Tritanomaly

14.5071, 11.8605, 5.9396

Monochromacy



Original Color

13.7378, 12.0114, 2.0846

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.9170, 10.9452, 6.5383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7378, 12.0114, 2.0846 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(137, 86, 16)` looks like.

```
.text, #text, p{  
    color:rgb(137, 86, 16)  
}
```

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(137, 86, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 86, 16) }
```

Border

The CSS property to change the border of an element to XYZ 13.7378, 12.0114, 2.0846 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(137, 86, 16) }
```


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

```
.border{ border-color:rgb(137, 86, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 86, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 86, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 86, 16);  
box-shadow:4px 4px 4px 4px rgb(137, 86,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7378, 12.0114, 2.0846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 86, 16) }
```

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

```
.background{ background-color: rgb(137, 86,  
16) }
```

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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