

Converting Colors

XYZ(13.5513, 12.3510, 2.1840)

Have a look what the booklet for
XYZ(13.5513, 12.3510, 2.1840)
contains.

XYZ(13.5889, 12.4211, 2.2116)	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(13.5889, 12.4211,
2.2116)**

Conversions

Conversions Part 1

Format	Color
Hex	865A11
RGB	134, 90, 17
RGB Percent	53%, 35%, 7%
CMY	0.4745, 0.6470, 0.9333
CMYK	0.00, 0.33, 0.87, 0.47
HSL	37°, 77%, 30%
HSV	37°, 87%, 53%
XYZ	13.5889, 12.4211, 2.2116
YIQ	94.8340, 49.6570, -13.3750

Conversions

Conversions Part 2

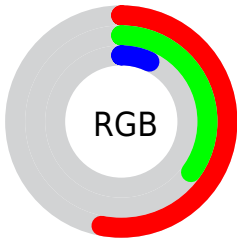
Format	Color
R_{YB}	88, 134, 17
Decimal	8804881
CIE Lab	41.88, 11.98, 45.22
CIE LCh	42, 46.779, 75.168
Yxy	12.4211, 0.4815, 0.4401
Android (android.graphics.Color)	4286994961 (0xFF865A11)
YUV	94.8340, -38.3722, 34.3486
Hunter-Lab	35.2436, 7.1481, 20.9499

Details

The XYZ color **13.5889, 12.4211, 2.2116** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.2030, 5.1778, 23.2268**, and the grayscale version is **10.9184, 11.4870, 12.5094**.

A 20% lighter version of the original color is **31.9073, 30.2499, 9.6260**, and **4.1251, 3.4636, 0.4511** is the 20% darker color. If you saturate the color by 10%, you get **13.0970, 11.5676, 1.6459**, and if you desaturate by 10%, it is **14.1671, 13.3562, 3.0868**.

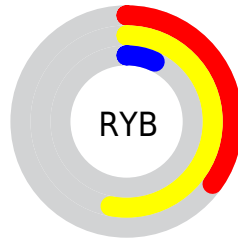
Distribution



Red (53%)

Green (35%)

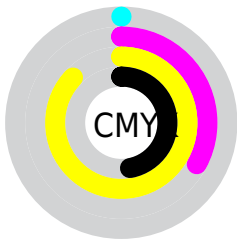
Blue (7%)



Red (35%)

Yellow (53%)

Blue (7%)

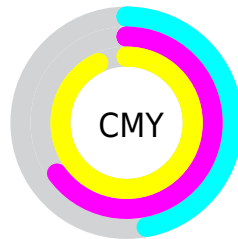


Cyan (0%)

Magenta (33%)

Yellow (87%)

Black (47%)



Cyan (47%)

Magenta (65%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5889, 12.4211, 2.2116 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 13.5889, 12.4211, 2.2116 by changing the saturation by 10% instead.

■ 13.5889, 12.4211,
2.2116

■ 13.5889, 12.4211,
2.2116

208.2203,
207.1735, 125.5805

■ 7.9151, 7.0311,
0.6811

■ 31.9502, 30.2598,
9.6116

■ 4.0920, 3.4816,
0.0000

■ 45.3684, 43.4773,
16.3450

■ 1.7543, 1.3880,
0.0000

■ 62.0987, 60.0727,
25.6587

■ 0.4899, 0.2079,
0.0000

■ 82.5066, 80.4306,
37.9712


■ 0.0000, 0.0000,
0.0000


■ 106.9573,
104.9352, 53.7011


■ 135.8163,


133.9709, 73.2669


 169.4488,
167.9222, 97.0872


 13.5889, 12.4211,
2.2116


 13.5889, 12.4211,
2.2116


 13.0970, 11.5676,
1.6459


 14.1671, 13.3562,
3.0868

 12.9716, 11.3486,
1.5068

 14.8474, 14.3787,
4.3563

 15.6390, 15.4935,
6.0638

 16.5493, 16.7045,
8.2467

 17.5853, 18.0153,
10.9385

■ 18.7531, 19.4291,
14.1698

■ 20.0586, 20.9491,
17.9684

■ 21.5072, 22.5781,
22.3606

■ 23.1038, 24.3190,
27.3706

Harmonies

Analogous

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



17.1345, 12.4211, 4.0233



13.5889, 12.4211, 2.2116



10.1521, 12.4211, 2.2202

Triad

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



13.5889, 12.4211, 2.2116



6.4861, 12.4211, 19.1362



17.1697, 12.4211, 31.8544

Complementary

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



13.5889, 12.4211, 2.2116



6.2030, 5.1778, 23.2268

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.



13.6301, 12.4211, 41.4402



13.5889, 12.4211, 2.2116



7.7153, 12.4211, 31.9939

Square

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



13.5889, 12.4211, 2.2116



6.4794, 12.4211, 9.2164



10.1861, 12.4211, 41.5010



19.4598, 12.4211, 19.0011

Rectangle

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



13.5889, 12.4211, 2.2116



8.3790, 12.4211, 3.1734



10.1861, 12.4211, 41.5010



16.0590, 12.4211, 35.7921

Sweetspot

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



13.5892, 12.4217, 2.2118



33.2028, 34.4237, 25.4258



10.8974, 5.8155, 5.0843



7.3389, 7.5872, 5.3281



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.



13.5892, 12.4217, 2.2118



22.7051, 19.6959, 2.6050



16.4207, 21.1089, 3.7394



4.8965, 5.1365, 4.9627



12.1668, 10.6562, 1.4156



0.0492, 0.0510, 0.0073

Inverse Universe

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



6.2030, 5.1778, 23.2268



9.4838, 6.8370, 40.5582



5.0582, 2.4082, 22.7525



4.5674, 4.8103, 5.8885



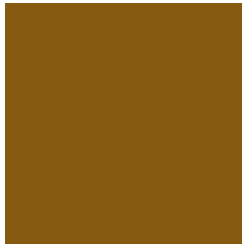
5.1270, 3.8017, 21.6003



0.0244, 0.0264, 0.0770

Previews

White Background



This preview shows how the XYZ color 13.5889, 12.4211, 2.2116 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 13.5889, 12.4211, 2.2116 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 13.5889, 12.4211, 2.2116

Background



This preview shows how black text looks on a background with the XYZ color 13.5889, 12.4211, 2.2116.



This preview shows how white text looks on a background with the XYZ color 13.5889, 12.4211,

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

13.5889, 12.4211, 2.2116

Protanopia

11.3655, 12.6096, 2.4967

Deuteranopia

12.5394, 12.3971, 2.1474



Tritanopia

15.4970, 12.4821, 11.2654

Trichromacy



Original Color

13.5889, 12.4211, 2.2116

Protanomaly

12.0461, 12.4058, 2.3758

Deuteranomaly

12.9027, 12.4524, 2.1754

Tritanomaly

14.5415, 12.3328, 6.3167

Monochromacy



Original Color

13.5889, 12.4211, 2.2116

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.2341, 11.4852, 6.9349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5889, 12.4211, 2.2116 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(134, 90, 17)` looks like.

```
.text, #text, p{  
    color:rgb(134, 90, 17)  
}
```

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(134, 90, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 90, 17) }
```

Border

The CSS property to change the border of an element to XYZ 13.5889, 12.4211, 2.2116 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(134, 90, 17) }
```


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

```
.border{ border-color:rgb(134, 90, 17) }
```

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

Here you see how a box with a 4 pixel rgb(134, 90, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 90, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 90, 17);  
box-shadow:4px 4px 4px 4px rgb(134, 90,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5889, 12.4211, 2.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 90, 17) }
```

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

```
.background{ background-color: rgb(134, 90,  
17) }
```

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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