

Converting Colors

XYZ(13.6119, 12.8662, 3.1524)

Have a look what the booklet for
XYZ(13.6119, 12.8662, 3.1524)
contains.

XYZ(13.6235, 12.9350, 3.1452)	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(13.6235, 12.9350,
3.1452)**

Conversions

Conversions Part 1

Format	Color
Hex	835E20
RGB	131, 94, 32
RGB Percent	51%, 37%, 13%
CMY	0.4863, 0.6314, 0.8745
CMYK	0.00, 0.28, 0.76, 0.49
HSL	38°, 61%, 32%
HSV	38°, 76%, 51%
XYZ	13.6235, 12.9350, 3.1452
YIQ	97.9950, 41.9540, -11.4380

Conversions

Conversions Part 2

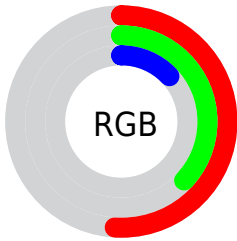
Format	Color
RYB	91, 131, 32
Decimal	8609312
CIELab	42.67, 8.80, 39.78
CIELCh	43, 40.743, 77.523
Yxy	12.9350, 0.4586, 0.4355
Android (android.graphics.Color)	4286799392 (0xFF835E20)
YUV	97.9950, -32.5355, 28.9454
Hunter-Lab	35.9653, 4.6759, 19.9907




Details

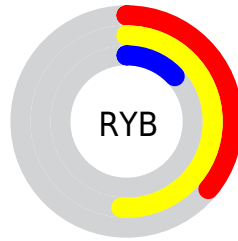
The XYZ color **13.6235, 12.9350, 3.1452** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.8205, 6.2018, 22.3102**, and the grayscale version is **11.6796, 12.2879, 13.3815**.




A 20% lighter version of the original color is **31.9147, 31.0905, 11.9084**, and **4.1988, 3.7336, 0.4994** is the 20% darker color. If you saturate the color by 10%, you get **13.0581, 12.0347, 2.2464**, and if you desaturate by 10%, it is **14.2879, 13.9201, 4.4268**.

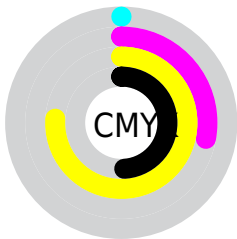
Distribution







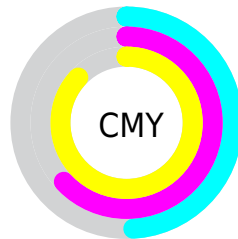
-  Red (51%)
-  Green (37%)
-  Blue (13%)






-  Red (36%)
-  Yellow (51%)
-  Blue (13%)



-  Cyan (0%)
-  Magenta (28%)
-  Yellow (76%)
-  Black (49%)



-  Cyan (49%)
-  Magenta (63%)
-  Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6235, 12.9350, 3.1452 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 13.6235, 12.9350, 3.1452 by changing the saturation by 10% instead.

■ 13.6235, 12.9350,
3.1452

■ 13.6235, 12.9350,
3.1452

208.4337,
210.5007, 138.1890

■ 7.9392, 7.3838,
1.1692

■ 32.0114, 31.1870,
11.9847

■ 4.1076, 3.7033,
0.0000

■ 45.4456, 44.6565,
19.6853

■ 1.7632, 1.5090,
0.0000

■ 62.1940, 61.5343,
30.1312

■ 0.4953, 0.2950,
0.0000

■ 82.6217, 82.2047,
43.7409

■ 0.0000, 0.0000,
0.0000

■ 107.0942,
107.0522, 60.9330

■ 135.9768,

136.4611, 82.1260

169.6348,
170.8158, 107.7385

13.6235, 12.9350,
3.1452

13.6235, 12.9350,
3.1452

13.0581, 12.0347,
2.2464

14.2879, 13.9201,
4.4268

12.5787, 11.2117,
1.6677

15.0586, 14.9922,
6.1301

12.3806, 10.8665,
1.4449

15.9427, 16.1554,
8.2903

16.9468, 17.4131,
10.9382

18.0765, 18.7683,
14.1023

■ 19.3372, 20.2238,
17.8087

■ 20.7340, 21.7825,
22.0818

■ 22.2717, 23.4468,
26.9444

■ 23.9547, 25.2193,
32.4181

Harmonies

Analogous

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



16.7600, 12.9350, 4.8912



13.6235, 12.9350, 3.1452



10.5904, 12.9350, 3.2901

Triad

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



13.6235, 12.9350, 3.1452



7.4534, 12.9350, 19.8550



17.2189, 12.9350, 28.9873

Complementary

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



13.6235, 12.9350, 3.1452



6.8205, 6.2018, 22.3102

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.



14.1718, 12.9350, 37.3465



13.6235, 12.9350, 3.1452



8.7020, 12.9350, 30.7355

Square

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



13.6235, 12.9350, 3.1452



7.3569, 12.9350, 10.7176



11.0546, 12.9350, 38.0943



19.0575, 12.9350, 18.0905

Rectangle

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



13.6235, 12.9350, 3.1452



9.0183, 12.9350, 4.4387



11.0546, 12.9350, 38.0943



16.2808, 12.9350, 32.3543

Sweetspot

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



13.6238, 12.9356, 3.1454



32.8125, 34.1272, 26.5281



10.9805, 6.3000, 6.4236



7.4817, 7.7604, 5.7222



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.



13.6238, 12.9356, 3.1454



22.7280, 20.4309, 3.2118



16.0466, 20.2906, 4.4374



4.8973, 5.1382, 4.9630



12.1895, 10.7017, 1.4232



0.0493, 0.0511, 0.0073

Inverse Universe

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



6.8205, 6.2018, 22.3102



9.9536, 7.8674, 39.4471



5.6328, 3.1974, 21.7929



4.5665, 4.8086, 5.8882



5.1143, 3.7764, 21.5961



0.0243, 0.0263, 0.0770

Previews

White Background



This preview shows how the XYZ color 13.6235, 12.9350, 3.1452 looks on a white background.

Color Contrast Check

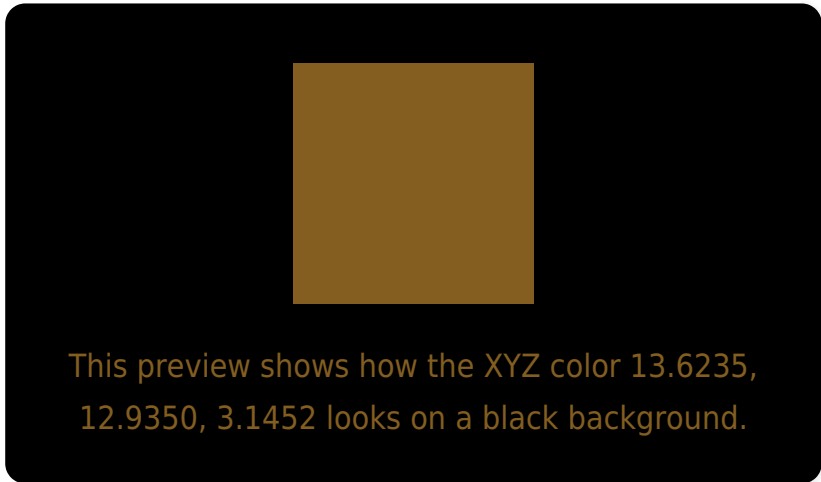
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6235, 12.9350, 3.1452

Background



This preview shows how black text looks on a background with the XYZ color 13.6235, 12.9350, 3.1452.



This preview shows how white text looks on a background with the XYZ color 13.6235, 12.9350,

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

13.6235, 12.9350, 3.1452

Protanopia

11.7525, 12.9336, 3.3904

Deuteranopia

13.1826, 12.9767, 3.1063



Tritanopia

15.5470, 12.9566, 12.5079

Trichromacy



Original Color

13.6235, 12.9350, 3.1452

Protanomaly

12.3879, 12.8382, 3.2640

Deuteranomaly

13.2416, 12.8725, 3.0831

Tritanomaly

14.6574, 12.8485, 7.8384

Monochromacy



Original Color

13.6235, 12.9350, 3.1452

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9411, 12.3588, 8.2347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6235, 12.9350, 3.1452 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(131, 94, 32)` looks like.

```
.text, #text, p{  
    color:rgb(131, 94, 32)  
}
```

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(131, 94, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 94, 32) }
```

Border

The CSS property to change the border of an element to XYZ 13.6235, 12.9350, 3.1452 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(131, 94, 32) }
```


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

```
.border{ border-color:rgb(131, 94, 32) }
```

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

Here you see how a box with a 4 pixel rgb(131, 94, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 94, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 94, 32);  
box-shadow:4px 4px 4px 4px rgb(131, 94,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6235, 12.9350, 3.1452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 94, 32) }
```

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

```
.background{ background-color: rgb(131, 94,  
32) }
```

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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