

Converting Colors

XYZ(13.6444, 10.1639, 3.0935)

Have a look what the booklet for
XYZ(13.6444, 10.1639, 3.0935)
contains.

XYZ(13.6333, 10.1470, 3.0737)	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(13.6333, 10.1470,
3.0737)**

Conversions

Conversions Part 1

Format	Color
Hex	8E4526
RGB	142, 69, 38
RGB Percent	56%, 27%, 15%
CMY	0.4431, 0.7294, 0.8510
CMYK	0.00, 0.51, 0.73, 0.44
HSL	18°, 58%, 35%
HSV	18°, 73%, 56%
XYZ	13.6333, 10.1470, 3.0737
YIQ	87.2930, 53.4590, 5.8350

Conversions

Conversions Part 2

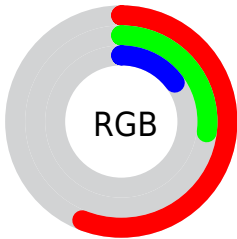
Format	Color
R_{YB}	142, 82, 38
Decimal	9323814
CIE Lab	38.10, 28.52, 32.39
CIE LCh	38, 43.156, 48.632
Yxy	10.1470, 0.5077, 0.3779
Android (android.graphics.Color)	4287513894 (0xFF8E4526)
YUV	87.2930, -24.3014, 47.9780
Hunter-Lab	31.8544, 20.6508, 16.5770

Details

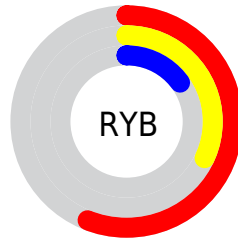
The XYZ color **13.6333, 10.1470, 3.0737** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **11.3657, 13.7328, 27.6426**, and the grayscale version is **9.1654, 9.6427, 10.5009**.

A 20% lighter version of the original color is **32.0165, 26.1131, 11.7404**, and **4.2174, 2.6001, 0.2796** is the 20% darker color. If you saturate the color by 10%, you get **12.8840, 8.9477, 1.9013**, and if you desaturate by 10%, it is **14.5735, 11.5884, 4.7412**.

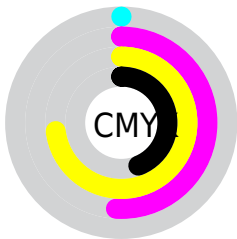
Distribution



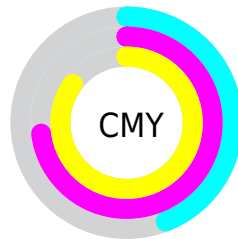
- Red (56%)
- Green (27%)
- Blue (15%)



- Red (56%)
- Yellow (32%)
- Blue (15%)



- Cyan (0%)
- Magenta (51%)
- Yellow (73%)
- Black (44%)





- Cyan (44%)
- Magenta (73%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6333, 10.1470, 3.0737 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 13.6333, 10.1470, 3.0737 by changing the saturation by 10% instead.


 13.6333, 10.1470,
3.0737


 13.6333, 10.1470,
3.0737


208.4941,
191.7180, 137.2938


 7.9461, 5.4965,
1.1324


 32.0287, 26.0716,
11.8098


 4.1120, 2.5414,
0.0000

 45.4675, 38.1146,
19.4416


 1.7657, 0.8973,
0.0000

 62.2209, 53.3905,
29.8073

 0.4969, 0.0000,
0.0000

 82.6543, 72.2837,
43.3256

 0.0000, 0.0000,
0.0000

 107.1329, 95.1787,
60.4148

 136.0222,

122.4598, 81.4935

169.6875,
154.5115, 106.9804

13.6333, 10.1470,
3.0737

13.6333, 10.1470,
3.0737

12.8840, 8.9477,
1.9013

14.5735, 11.5884,
4.7412

12.3092, 7.9744,
1.1661

15.7177, 13.2833,
6.9519

11.9951, 7.4304,
0.8020

17.0783, 15.2445,
9.7486

18.6667, 17.4832,
13.1697

20.4931, 20.0100,
17.2503

■ 22.5675, 22.8349,
22.0228

■ 24.8989, 25.9675,
27.5176

■ 27.4961, 29.4167,
33.7631

■ 30.3672, 33.1914,
40.7864

Harmonies

Analogous

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



15.6595, 10.1470, 6.8379



13.6333, 10.1470, 3.0737



10.7387, 10.1470, 1.8028

Triad

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



13.6333, 10.1470, 3.0737



5.2901, 10.1470, 8.2931



11.4581, 10.1470, 32.8788

Complementary

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



13.6333, 10.1470, 3.0737



11.3657, 13.7328, 27.6426

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.



8.6271, 10.1470, 33.9301



13.6333, 10.1470, 3.0737



5.4086, 10.1470, 16.7070

Square

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



13.6333, 10.1470, 3.0737



6.1585, 10.1470, 3.6970



6.5210, 10.1470, 27.0136



14.2464, 10.1470, 24.5965

Rectangle

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



13.6333, 10.1470, 3.0737



8.8630, 10.1470, 1.7651



6.5210, 10.1470, 27.0136



10.4705, 10.1470, 34.1994

Sweetspot

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



13.6335, 10.1475, 3.0739



36.4081, 35.6564, 31.0328



14.8028, 8.3188, 16.3108



7.9543, 7.7202, 6.5289



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.



13.6335, 10.1475, 3.0739



22.0192, 14.6043, 2.4191



18.1576, 19.1956, 4.5819



5.5318, 5.6699, 5.6922



10.7845, 6.7006, 0.7249



0.1205, 0.0989, 0.0127

Inverse Universe

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



11.3657, 13.7328, 27.6426



17.6659, 21.0638, 48.2625



7.3258, 5.6530, 26.2960



5.4264, 5.8485, 6.8716



8.4632, 9.9125, 24.4443



0.1002, 0.1333, 0.2401

Previews

White Background



This preview shows how the XYZ color 13.6333, 10.1470, 3.0737 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 13.6333, 10.1470, 3.0737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

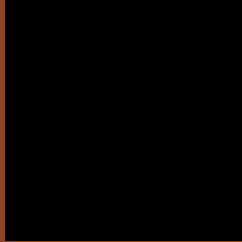
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6333, 10.1470, 3.0737

Background



This preview shows how black text looks on a background with the XYZ color 13.6333, 10.1470, 3.0737.



This preview shows how white text looks on a background with the XYZ color 13.6333, 10.1470,

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

13.6333, 10.1470, 3.0737

Protanopia

9.3853, 10.2111, 3.9589

Deuteranopia

10.4266, 10.2818, 2.9484



Tritanopia

14.4974, 10.1521, 6.9898

Trichromacy



Original Color

13.6333, 10.1470, 3.0737

Protanomaly

10.5054, 9.8466, 3.5374

Deuteranomaly

11.4842, 10.1438, 2.9428

Tritanomaly

14.0396, 10.0416, 5.2012

Monochromacy



Original Color

13.6333, 10.1470, 3.0737

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.0062, 9.2928, 6.8965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6333, 10.1470, 3.0737 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(142, 69, 38)` looks like.

```
.text, #text, p{  
  color:rgb(142, 69, 38)  
}
```

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(142, 69, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 69, 38) }
```

Border

The CSS property to change the border of an element to XYZ 13.6333, 10.1470, 3.0737 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(142, 69, 38) }
```


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

```
.border{ border-color:rgb(142, 69, 38) }
```

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

Here you see how a box with a 4 pixel rgb(142, 69, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 69, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 69, 38);  
box-shadow:4px 4px 4px 4px rgb(142, 69,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6333, 10.1470, 3.0737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 69, 38) }
```

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

```
.background{ background-color: rgb(142, 69,  
38) }
```

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