

Converting Colors

XYZ(13.3732, 10.3086, 3.1186)

Have a look what the booklet for
XYZ(13.3732, 10.3086, 3.1186)
contains.

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Color

**XYZ(13.3147, 10.2636,
3.1130)**

Conversions

Conversions Part 1

Format	Color
Hex	8B4826
RGB	139, 72, 38
RGB Percent	55%, 28%, 15%
CMY	0.4549, 0.7176, 0.8510
CMYK	0.00, 0.48, 0.73, 0.45
HSL	20°, 57%, 35%
HSV	20°, 73%, 55%
XYZ	13.3147, 10.2636, 3.1130
YIQ	88.1570, 50.8460, 3.6300

Conversions

Conversions Part 2

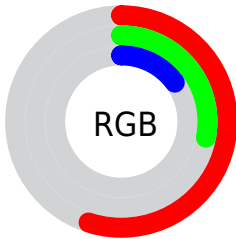
Format	Color
R_{YB}	139, 89, 38
Decimal	9127974
CIE _{Lab}	38.31, 25.58, 32.48
CIE _{LCh}	38, 41.345, 51.785
Yxy	10.2636, 0.4988, 0.3845
Android (android.graphics.Color)	4287318054 (0xFF8B4826)
YUV	88.1570, -24.7274, 44.5893
Hunter-Lab	32.0369, 18.1211, 16.6646

Details

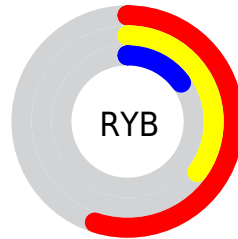
The XYZ color **13.3147, 10.2636, 3.1130** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **10.5108, 12.3786, 26.2614**, and the grayscale version is **9.3549, 9.8421, 10.7181**.

A 20% lighter version of the original color is **31.5857, 26.4295, 11.8242**, and **4.0256, 2.6236, 0.2942** is the 20% darker color. If you saturate the color by 10%, you get **12.5789, 9.0864, 1.9605**, and if you desaturate by 10%, it is **14.2242, 11.6542, 4.7369**.

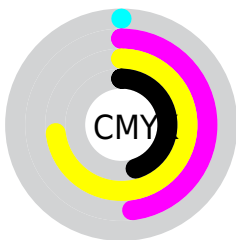
Distribution



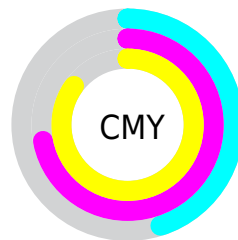
- Red (55%)
- Green (28%)
- Blue (15%)



- Red (55%)
- Yellow (35%)
- Blue (15%)



- Cyan (0%)
- Magenta (48%)
- Yellow (73%)
- Black (45%)





- Cyan (45%)
- Magenta (72%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3147, 10.2636, 3.1130 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 13.3147, 10.2636, 3.1130 by changing the saturation by 10% instead.


 13.3147, 10.2636,
3.1130


 13.3147, 10.2636,
3.1130


206.5219,
192.5432, 137.7871


 7.7241, 5.5741,
1.1526


 31.4645, 26.2901,
11.9060

 3.9692, 2.5879,
0.0000

 44.7545, 38.3959,
19.5757


 1.6847, 0.9206,
0.0000

 61.3416, 53.7426,
29.9857

 0.4467, 0.0000,
0.0000

 81.5912, 72.7146,
43.5543

 0.0000, 0.0000,
0.0000

 105.8687, 95.6963,
60.7002

 134.5394,

123.0720, 81.8420

167.9687,
155.2262, 107.3981

13.3147, 10.2636,
3.1130

13.3147, 10.2636,
3.1130

12.5789, 9.0864,
1.9605

14.2242, 11.6542,
4.7369

12.0023, 8.1092,
1.2256

15.3187, 13.2675,
6.8770

11.6559, 7.5058,
0.8344

16.6095, 15.1139,
9.5734

18.1064, 17.2028,
12.8621

19.8186, 19.5428,
16.7760

■ 21.7548, 22.1423,
21.3455

■ 23.9231, 25.0092,
26.5992

■ 26.3312, 28.1511,
32.5637

■ 28.9865, 31.5752,
39.2645

Harmonies

Analogous

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



15.3849, 10.2636, 6.5326



13.3147, 10.2636, 3.1130



10.5126, 10.2636, 1.9943

Triad

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



13.3147, 10.2636, 3.1130



5.4817, 10.2636, 9.1909



11.8020, 10.2636, 31.3267

Complementary

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



13.3147, 10.2636, 3.1130



10.5108, 12.3786, 26.2614

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.



9.0352, 10.2636, 33.1612



13.3147, 10.2636, 3.1130



5.6998, 10.2636, 17.6184

Square

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



13.3147, 10.2636, 3.1130



6.2317, 10.2636, 4.2916



6.8944, 10.2636, 27.3071



14.4059, 10.2636, 23.0613

Rectangle

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



13.3147, 10.2636, 3.1130



8.7372, 10.2636, 2.0455



6.8944, 10.2636, 27.3071



10.8495, 10.2636, 32.8316

Sweetspot

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



13.3149, 10.2641, 3.1132



35.5515, 35.0787, 30.1819



13.9076, 7.9020, 14.2469



8.0172, 7.8460, 6.5498



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.



13.3149, 10.2641, 3.1132



21.8515, 15.1411, 2.6099



17.9773, 19.5890, 4.6673



5.1615, 5.3059, 5.3045



10.5346, 6.8036, 0.7580



0.0825, 0.0702, 0.0092

Inverse Universe

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



10.5108, 12.3786, 26.2614



16.4332, 18.9704, 46.5385



6.8179, 4.9928, 25.0304



5.0334, 5.4097, 6.3847



7.6923, 8.6549, 23.3108



0.0647, 0.0846, 0.1594

Previews

White Background



This preview shows how the XYZ color 13.3147, 10.2636, 3.1130 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 13.3147, 10.2636, 3.1130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

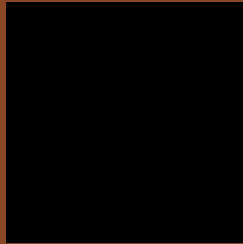
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3147, 10.2636, 3.1130

Background



This preview shows how black text looks on a background with the XYZ color 13.3147, 10.2636, 3.1130.



This preview shows how white text looks on a background with the XYZ color 13.3147, 10.2636,

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

13.3147, 10.2636, 3.1130

Protanopia

9.5625, 10.4307, 3.8922

Deuteranopia

10.4266, 10.2818, 2.9484



Tritanopia

14.2542, 10.2780, 7.5359

Trichromacy



Original Color

13.3147, 10.2636, 3.1130

Protanomaly

10.6585, 10.1527, 3.5884

Deuteranomaly

11.2718, 10.1438, 2.9540

Tritanomaly

13.7589, 10.1579, 5.5105

Monochromacy



Original Color

13.3147, 10.2636, 3.1130

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.1862, 9.6026, 7.1110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3147, 10.2636, 3.1130 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(139, 72, 38)` looks like.

```
.text, #text, p{  
    color:rgb(139, 72, 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(139, 72, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 72, 38) }
```

Border

The CSS property to change the border of an element to XYZ 13.3147, 10.2636, 3.1130 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(139, 72, 38) }
```


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

```
.border{ border-color:rgb(139, 72, 38) }
```

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

Here you see how a box with a 4 pixel rgb(139, 72, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 72, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 72, 38);  
box-shadow:4px 4px 4px 4px rgb(139, 72,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3147, 10.2636, 3.1130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 72, 38) }
```

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

```
.background{ background-color: rgb(139, 72,  
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](#).

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