

Converting Colors

XYZ(13.3871, 10.6565, 1.3513)

Have a look what the booklet for
XYZ(13.3871, 10.6565, 1.3513)
contains.

XYZ(13.3313, 10.6076, 1.3448)	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(13.3313, 10.6076,
1.3448)**

Conversions

Conversions Part 1

Format	Color
Hex	8C4B00
RGB	140, 75, 0
RGB Percent	55%, 29%, 0%
CMY	0.4510, 0.7059, 1.0000
CMYK	0.00, 0.46, 1.00, 0.45
HSL	32°, 100%, 27%
HSV	32°, 100%, 55%
XYZ	13.3313, 10.6076, 1.3448
YIQ	85.8850, 62.8150, -9.5450

Conversions

Conversions Part 2

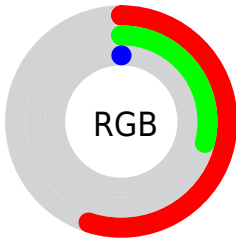
Format	Color
R _Y B	121, 140, 0
Decimal	9194240
CIE Lab	38.91, 23.10, 48.44
CIE LCh	39, 53.669, 64.509
Yxy	10.6076, 0.5273, 0.4195
Android (android.graphics.Color)	4287384320 (0xFF8C4B00)
YUV	85.8850, -42.3413, 47.4589
Hunter-Lab	32.5693, 16.0675, 20.3504

Details

The XYZ color **13.3313, 10.6076, 1.3448** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6237, 5.6737, 25.5568**, and the grayscale version is **8.8990, 9.3624, 10.1957**.

A 20% lighter version of the original color is **31.4504, 26.8333, 7.1361**, and **4.0066, 2.7177, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **13.3315, 10.6080, 1.3449**, and if you desaturate by 10%, it is **13.8744, 11.5672, 1.9170**.

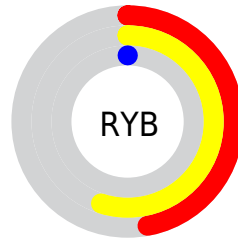
Distribution



Red (55%)

Green (29%)

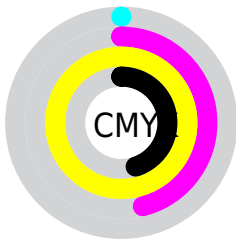
Blue (0%)



Red (47%)

Yellow (55%)

Blue (0%)

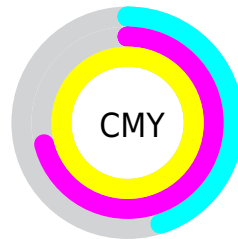


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3313, 10.6076, 1.3448 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 13.3313, 10.6076, 1.3448 by changing the saturation by 10% instead.


 13.3313, 10.6076,
1.3448


 13.3313, 10.6076,
1.3448


 206.6251,
194.9553, 111.1905


 7.7356, 5.8036,
0.0981


 31.4940, 26.9322,
7.1566


 3.9766, 2.7260,
0.0000

 44.7917, 39.2217,
12.7922


 1.6889, 0.9904,
0.0000

 61.3875, 54.7751,
20.8057

 0.4493, 0.0000,
0.0000

 81.6468, 73.9769,
31.6157


 0.0000, 0.0000,
0.0000


 105.9348, 97.2114,
45.6406


 134.6170,


124.8630, 63.2990


 168.0586,
157.3162, 85.0095


 13.3313, 10.6076,
1.3448


 13.3313, 10.6076,
1.3448


 13.3315, 10.6080,
1.3449

 13.8744, 11.5672,
1.9170

 14.5148, 12.6393,
2.7733

 15.2807, 13.8378,
4.0562

 16.1830, 15.1689,
5.8165

 17.2309, 16.6381,
8.0979

■ 18.4330, 18.2506,
10.9390

■ 19.7968, 20.0112,
14.3748

■ 21.3294, 21.9244,
18.4373

■ 23.0374, 23.9943,
23.1563

Harmonies

Analogous

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



16.8556, 10.6076, 3.6132



13.3313, 10.6076, 1.3448



9.5526, 10.6076, 0.9498

Triad

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



13.3313, 10.6076, 1.3448



4.6741, 10.6076, 13.1638



14.4883, 10.6076, 36.4738

Complementary

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



13.3313, 10.6076, 1.3448



6.6237, 5.6737, 25.5568

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.



10.6310, 10.6076, 44.2815



13.3313, 10.6076, 1.3448



5.4208, 10.6076, 26.6341

Square

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



13.3313, 10.6076, 1.3448



5.0721, 10.6076, 4.9911



7.4092, 10.6076, 39.8995



17.6266, 10.6076, 22.2333

Rectangle

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



13.3313, 10.6076, 1.3448



7.4963, 10.6076, 1.3112



7.4092, 10.6076, 39.8995



13.2033, 10.6076, 40.2256

Sweetspot

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



13.3315, 10.6082, 1.3450



34.7419, 35.0764, 24.9276



11.7790, 5.9610, 5.5817



7.7927, 7.8103, 5.2009



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.



13.3315, 10.6082, 1.3450



23.3421, 18.3784, 2.3171



19.4234, 23.9346, 3.5962



5.2402, 5.4632, 5.3307



11.8656, 9.4655, 1.2016



0.0935, 0.0922, 0.0129

Inverse Universe

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



6.6237, 5.6737, 25.5568



11.5201, 9.6873, 45.0056



4.7921, 1.9236, 24.9295



4.9535, 5.2500, 6.3581



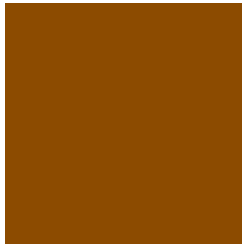
5.9049, 5.0801, 22.7150



0.0536, 0.0626, 0.1557

Previews

White Background



This preview shows how the XYZ color 13.3313, 10.6076, 1.3448 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 13.3313, 10.6076, 1.3448 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 13.3313, 10.6076, 1.3448

Background



This preview shows how black text looks on a background with the XYZ color 13.3313, 10.6076, 1.3448.



This preview shows how white text looks on a background with the XYZ color 13.3313, 10.6076,

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

13.3313, 10.6076, 1.3448

Protanopia

9.6896, 10.7983, 1.9214

Deuteranopia

10.8258, 10.7614, 1.5066



Tritanopia

14.6155, 10.6391, 7.9398

Trichromacy



Original Color

13.3313, 10.6076, 1.3448

Protanomaly

10.7077, 10.4550, 1.6834

Deuteranomaly

11.5507, 10.5465, 1.4269

Tritanomaly

13.8354, 10.5109, 4.0959

Monochromacy



Original Color

13.3313, 10.6076, 1.3448

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.6507, 9.3746, 4.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3313, 10.6076, 1.3448 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(140, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 75, 0)  
}
```

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(140, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 75, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3313, 10.6076, 1.3448 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(140, 75, 0) }
```


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

```
.border{ border-color:rgb(140, 75, 0) }
```

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

Here you see how a box with a 4 pixel rgb(140, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 75, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3313, 10.6076, 1.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 75, 0) }
```

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

```
.background{ background-color: rgb(140, 75,  
0) }
```

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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