

Converting Colors

XYZ(12.4161, 10.3922, 2.0394)

Have a look what the booklet for
XYZ(12.4161, 10.3922, 2.0394)
contains.

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Color

**XYZ(12.3755, 10.4085,
2.0662)**

Conversions

Conversions Part 1

Format	Color
Hex	844E15
RGB	132, 78, 21
RGB Percent	52%, 31%, 8%
CMY	0.4824, 0.6941, 0.9176
CMYK	0.00, 0.41, 0.84, 0.48
HSL	31°, 73%, 30%
HSV	31°, 84%, 52%
XYZ	12.3755, 10.4085, 2.0662
YIQ	87.6480, 50.4810, -6.2790

Conversions

Conversions Part 2

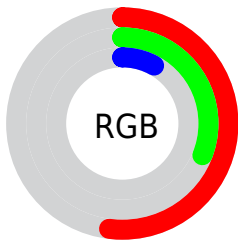
Format	Color
R_{YB}	126, 132, 21
Decimal	8670741
CIE Lab	38.57, 18.22, 40.73
CIE LCh	39, 44.624, 65.895
Yxy	10.4085, 0.4980, 0.4188
Android (android.graphics.Color)	4286860821 (0xFF844E15)
YUV	87.6480, -32.8575, 38.8967
Hunter-Lab	32.2622, 12.0122, 18.7864

Details

The XYZ color **12.3755, 10.4085, 2.0662** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.9900, 6.8570, 22.7848**, and the grayscale version is **9.2610, 9.7433, 10.6104**.

A 20% lighter version of the original color is **29.6498, 26.4272, 9.1685**, and **3.6044, 2.6655, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **11.8489, 9.5036, 1.4339**, and if you desaturate by 10%, it is **13.0108, 11.4291, 3.0489**.

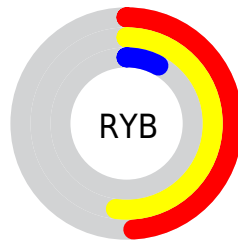
Distribution



Red (52%)

Green (31%)

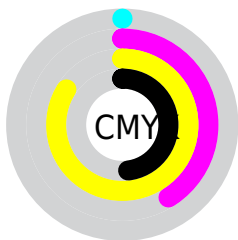
Blue (8%)



Red (49%)

Yellow (52%)

Blue (8%)

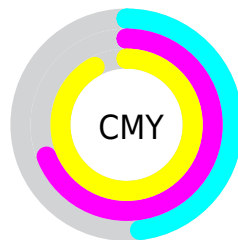


Cyan (0%)

Magenta (41%)

Yellow (84%)

Black (48%)



Cyan (48%)


Magenta (69%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3755, 10.4085, 2.0662 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 12.3755, 10.4085, 2.0662 by changing the saturation by 10% instead.


 12.3755, 10.4085,
2.0662


 12.3755, 10.4085,
2.0662


200.5951,
193.5633, 123.3964


 7.0740, 5.6706,
0.5955


 29.7881, 26.5611,
9.2210


 3.5551, 2.6459,
0.0000

 42.6300, 38.7446,
15.7872


 1.4537, 0.9498,
0.0000

 58.7159, 54.1787,
24.9041

 0.2940, 0.0000,
0.0000


 78.4113, 73.2479,
36.9901


 0.0000, 0.0000,
0.0000


 102.0816, 96.3366,
52.4638


 130.0921,


123.8291, 71.7437


 162.8082,
156.1099, 95.2484


 12.3755, 10.4085,
2.0662


 12.3755, 10.4085,
2.0662


 11.8489, 9.5036,
1.4339


 13.0108, 11.4291,
3.0489

 11.5700, 9.0142,
1.1301

 13.7649, 12.5700,
4.4327

 14.6467, 13.8371,
6.2576

 15.6641, 15.2353,
8.5586

 16.8238, 16.7693,
11.3671

■ 18.1324, 18.4431,
14.7118

■ 19.5960, 20.2609,
18.6193

■ 21.2200, 22.2265,
23.1143

■ 23.0099, 24.3436,
28.2200

Harmonies

Analogous

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



15.1916, 10.4085, 4.2636



12.3755, 10.4085, 2.0662



9.3258, 10.4085, 1.6699

Triad

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



12.3755, 10.4085, 2.0662



5.2823, 10.4085, 13.0715



13.5754, 10.4085, 30.0601

Complementary

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



12.3755, 10.4085, 2.0662



6.9900, 6.8570, 22.7848

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.



10.4827, 10.4085, 36.1337



12.3755, 10.4085, 2.0662



5.9965, 10.4085, 23.6616

Square

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



12.3755, 10.4085, 2.0662



5.5918, 10.4085, 5.9403



7.7668, 10.4085, 33.3470



15.9745, 10.4085, 19.2776

Rectangle

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



12.3755, 10.4085, 2.0662



7.6319, 10.4085, 2.1354



7.7668, 10.4085, 33.3470



12.5616, 10.4085, 32.9116

Sweetspot

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



12.3757, 10.4090, 2.0664



31.5852, 32.0391, 24.9890



11.1058, 5.9707, 7.4961



7.1884, 7.2493, 5.3916



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.



12.3757, 10.4090, 2.0664



20.2303, 15.5779, 1.9406



17.9023, 21.4621, 3.9086



4.8556, 5.0548, 4.9491



11.2081, 8.7388, 1.0960



0.0461, 0.0449, 0.0062

Inverse Universe

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



6.9900, 6.8570, 22.7848



10.4381, 9.1379, 39.6668



4.7423, 2.3617, 22.0356



4.6075, 4.8907, 5.9019



5.8247, 5.1973, 21.8329



0.0274, 0.0325, 0.0781

Previews

White Background



This preview shows how the XYZ color 12.3755, 10.4085, 2.0662 looks on a white background.

Color Contrast Check

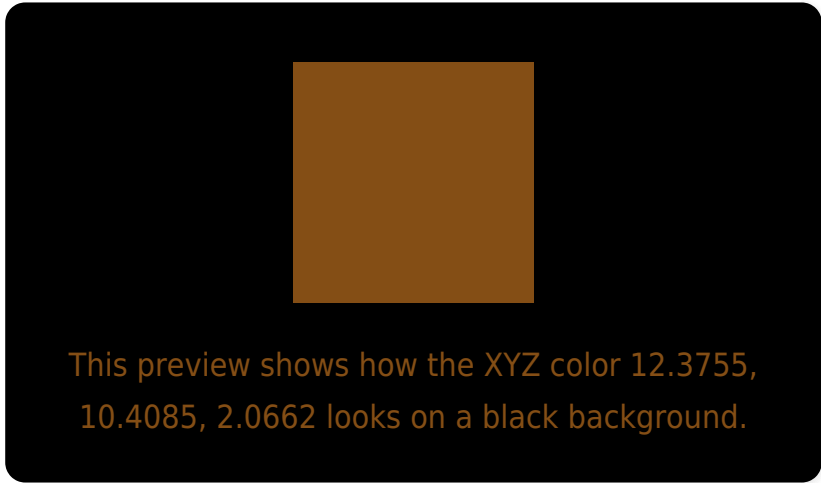
Large Text (above 18pt) WCAG AA ✓ Pass

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

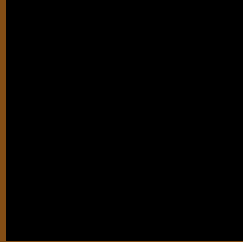
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3755, 10.4085, 2.0662

Background



This preview shows how black text looks on a background with the XYZ color 12.3755, 10.4085, 2.0662.



This preview shows how white text looks on a background with the XYZ color 12.3755, 10.4085,

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

12.3755, 10.4085, 2.0662

Protanopia

9.5855, 10.6038, 2.4057

Deuteranopia

10.5720, 10.4986, 1.9594



Tritanopia

13.7494, 10.4660, 8.5032

Trichromacy



Original Color

12.3755, 10.4085, 2.0662

Protanomaly

10.5023, 10.4557, 2.2752

Deuteranomaly

11.1647, 10.4493, 2.0007

Tritanomaly

13.0861, 10.3959, 5.1878

Monochromacy



Original Color

12.3755, 10.4085, 2.0662

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.8047, 9.6539, 6.1971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3755, 10.4085, 2.0662 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(132, 78, 21)` looks like.

```
.text, #text, p{  
    color:rgb(132, 78, 21)  
}
```

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(132, 78, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 78, 21) }
```

Border

The CSS property to change the border of an element to XYZ 12.3755, 10.4085, 2.0662 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(132, 78, 21) }
```


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

```
.border{ border-color:rgb(132, 78, 21) }
```

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

Here you see how a box with a 4 pixel rgb(132, 78, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 78, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 78, 21);  
box-shadow:4px 4px 4px 4px rgb(132, 78,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3755, 10.4085, 2.0662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 78, 21) }
```

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

```
.background{ background-color: rgb(132, 78,  
21) }
```

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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