

Converting Colors

XYZ(10.4361, 8.5816, 2.4099)

Have a look what the booklet for
XYZ(10.4361, 8.5816, 2.4099)
contains.

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Color

**XYZ(10.4635, 8.6168,
2.4080)**

Conversions

Conversions Part 1

Format	Color
Hex	7A461F
RGB	122, 70, 31
RGB Percent	48%, 27%, 12%
CMY	0.5216, 0.7255, 0.8784
CMYK	0.00, 0.43, 0.75, 0.52
HSL	26°, 59%, 30%
HSV	26°, 75%, 48%
XYZ	10.4635, 8.6168, 2.4080
YIQ	81.1020, 43.5110, -1.1050

Conversions

Conversions Part 2

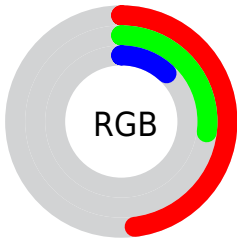
Format	Color
R_{YB}	122, 99, 31
Decimal	8013343
CIE Lab	35.24, 18.79, 32.20
CIE LCh	35, 37.281, 59.733
Yxy	8.6168, 0.4869, 0.4010
Android (android.graphics.Color)	4286203423 (0xFF7A461F)
YUV	81.1020, -24.7003, 35.8675
Hunter-Lab	29.3544, 12.2569, 15.6844

Details

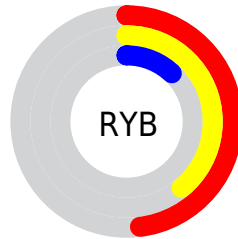
The XYZ color **10.4635, 8.6168, 2.4080** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.1709, 7.8824, 19.5557**, and the grayscale version is **7.8828, 8.2933, 9.0314**.

A 20% lighter version of the original color is **26.2965, 23.1945, 10.1122**, and **2.8019, 1.9605, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **9.9211, 7.7425, 1.5788**, and if you desaturate by 10%, it is **11.1178, 9.6176, 3.5752**.

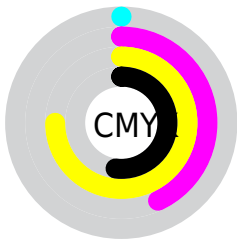
Distribution



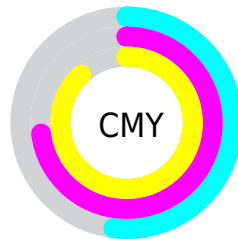
- Red (48%)
- Green (27%)
- Blue (12%)



- Red (48%)
- Yellow (39%)
- Blue (12%)



- Cyan (0%)
- Magenta (43%)
- Yellow (75%)
- Black (52%)



- Cyan (52%)
- Magenta (73%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4635, 8.6168, 2.4080 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 10.4635, 8.6168, 2.4080 by changing the saturation by 10% instead.

■ 10.4635, 8.6168,
2.4080

■ 10.4635, 8.6168,
2.4080

187.9342,
180.4929, 128.4213

■ 5.7720, 4.4921,
0.7908

■ 26.3056, 23.1590,
10.1289

■ 2.7462, 1.9525,
0.0000

■ 38.1868, 34.3454,
17.0799

■ 1.0210, 0.5796,
0.0000

■ 53.1953, 48.6543,
26.6493

■ 0.0000, 0.0000,
0.0000

■ 71.6964, 66.4704,
39.2556

■ 94.0555, 88.1779,
55.3175

■ 120.6379,

114.1612, 75.2533

151.8090,
144.8047, 99.4817

10.4635, 8.6168,
2.4080

10.4635, 8.6168,
2.4080

9.9211, 7.7425,
1.5788

11.1178, 9.6176,
3.5752

9.4793, 6.9863,
1.0384

11.8913, 10.7494,
5.1131

9.2670, 6.6195,
0.7893

12.7912, 12.0179,
7.0506

13.8237, 13.4281,
9.4141

14.9949, 14.9846,
12.2273

■ 16.3102, 16.6918,
15.5123

■ 17.7748, 18.5540,
19.2898

■ 19.3935, 20.5751,
23.5791

■ 21.1711, 22.7592,
28.3985

Harmonies

Analogous

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



12.3454, 8.6168, 4.6380



10.4635, 8.6168, 2.4080



8.2094, 8.6168, 1.8115

Triad

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



10.4635, 8.6168, 2.4080



4.7031, 8.6168, 9.3270



10.4241, 8.6168, 23.9388

Complementary

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



10.4635, 8.6168, 2.4080



7.1709, 7.8824, 19.5557

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.



8.1707, 8.6168, 26.9790



10.4635, 8.6168, 2.4080



5.0905, 8.6168, 16.5927

Square

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



10.4635, 8.6168, 2.4080



5.1046, 8.6168, 4.5783



6.2723, 8.6168, 23.8355



12.3200, 8.6168, 16.7333

Rectangle

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



10.4635, 8.6168, 2.4080



6.8679, 8.6168, 2.0546



6.2723, 8.6168, 23.8355



9.6717, 8.6168, 25.5931

Sweetspot

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



10.4637, 8.6172, 2.4082



26.8363, 26.9591, 22.6326



10.1195, 5.7589, 8.9829



6.0304, 6.0258, 4.9149



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.4637, 8.6172, 2.4082



16.8520, 12.5955, 2.0258



14.3377, 16.3652, 3.6995



4.1264, 4.2713, 4.2315



9.7487, 6.9533, 0.8283



45.6920, 31.5475, 3.6810

Inverse Universe

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



7.1709, 7.8824, 19.5557



10.6758, 11.1509, 33.9826



4.7898, 3.1203, 18.7620



3.9699, 4.2382, 5.0520



5.9769, 6.0363, 20.2354



27.6529, 27.0784, 96.2390

Previews

White Background



This preview shows how the XYZ color 10.4635, 8.6168, 2.4080 looks on a white background.

Color Contrast Check

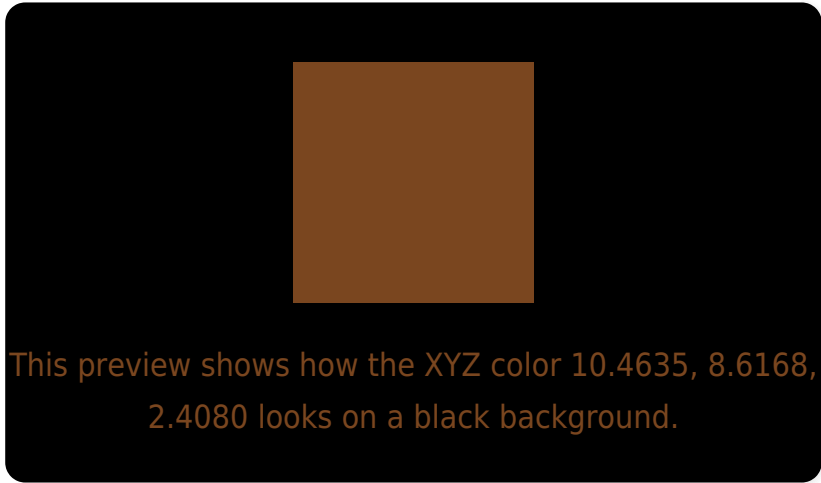
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 10.4635, 8.6168, 2.4080

Background



This preview shows how black text looks on a background with the XYZ color 10.4635, 8.6168, 2.4080.



This preview shows how white text looks on a background with the XYZ color 10.4635, 8.6168,

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

10.4635, 8.6168, 2.4080

Protanopia

7.9879, 8.7892, 2.8656

Deuteranopia

8.7145, 8.6189, 2.3029



Tritanopia

11.3977, 8.6364, 7.0275

Trichromacy



Original Color

10.4635, 8.6168, 2.4080

Protanomaly

8.7936, 8.6505, 2.7196

Deuteranomaly

9.3618, 8.6371, 2.3361

Tritanomaly

10.8893, 8.5108, 4.8102

Monochromacy



Original Color

10.4635, 8.6168, 2.4080

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.3750, 8.1534, 5.8350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4635, 8.6168, 2.4080 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(122, 70, 31)` looks like.

```
.text, #text, p{  
    color:rgb(122, 70, 31)  
}
```

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(122, 70, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 70, 31) }
```

Border

The CSS property to change the border of an element to XYZ 10.4635, 8.6168, 2.4080 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(122, 70, 31) }
```


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

```
.border{ border-color:rgb(122, 70, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 70, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 70, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 70, 31);  
box-shadow:4px 4px 4px 4px rgb(122, 70,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4635, 8.6168, 2.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 70, 31) }
```

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

```
.background{ background-color: rgb(122, 70,  
31) }
```

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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