

Converting Colors

XYZ(10.0241, 6.7726, 1.1522)

Have a look what the booklet for
XYZ(10.0241, 6.7726, 1.1522)
contains.

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Color

**XYZ(10.0730, 6.8149,
1.1653)**

Conversions

Conversions Part 1

Format	Color
Hex	80310D
RGB	128, 49, 13
RGB Percent	50%, 19%, 5%
CMY	0.4980, 0.8078, 0.9490
CMYK	0.00, 0.62, 0.90, 0.50
HSL	19°, 82%, 28%
HSV	19°, 90%, 50%
XYZ	10.0730, 6.8149, 1.1653
YIQ	68.5170, 58.6400, 5.5520

Conversions

Conversions Part 2

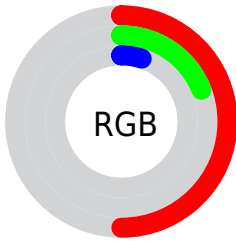
Format	Color
RYB	128, 65, 13
Decimal	8401165
CIELab	31.38, 32.38, 37.62
CIELCh	31, 49.637, 49.276
Yxy	6.8149, 0.5580, 0.3775
Android (android.graphics.Color)	4286591245 (0xFF80310D)
YUV	68.5170, -27.3699, 52.1666
Hunter-Lab	26.1054, 23.1915, 15.6271

Details

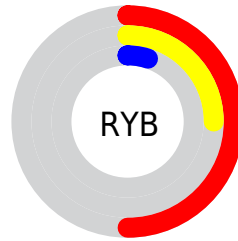
The XYZ color **10.0730, 6.8149, 1.1653** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.8890, 9.2976, 21.8005**, and the grayscale version is **5.6147, 5.9071, 6.4328**.

A 20% lighter version of the original color is **25.6506, 19.6159, 6.5720**, and **2.5985, 1.3396, 0.1216** is the 20% darker color. If you saturate the color by 10%, you get **9.6690, 6.1216, 0.6778**, and if you desaturate by 10%, it is **10.5891, 7.6686, 1.8878**.

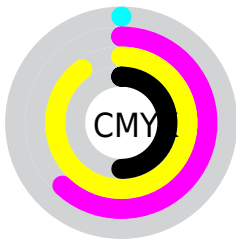
Distribution



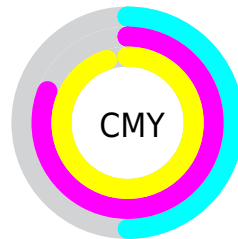
- Red (50%)
- Green (19%)
- Blue (5%)



- Red (50%)
- Yellow (25%)
- Blue (5%)



- Cyan (0%)
- Magenta (62%)
- Yellow (90%)
- Black (50%)




- Cyan (50%)
- Magenta (81%)
- Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 10.0730, 6.8149, 1.1653 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 10.0730, 6.8149, 1.1653 by changing the saturation by 10% instead.

 10.0730, 6.8149,
1.1653


 10.0730, 6.8149,
1.1653


 185.2350,
166.1167, 107.6580


 5.5100, 3.3466,
0.0000

 25.5811, 19.5999,
6.5983


 2.5873, 1.3153,
0.0000


 37.2570, 29.6853,
11.9660

 0.9395, 0.1530,
0.0000

 52.0346, 42.7453,
19.6593

 0.0000, 0.0000,
0.0000


 70.2792, 59.1642,
30.0967

 92.3562, 79.3264,
43.6967


 118.6309,


103.6162, 60.8779


 149.4687,
132.4182, 82.0588

 10.0730, 6.8149,
1.1653


 10.0730, 6.8149,
1.1653


 9.6690, 6.1216,
0.6778


 10.5891, 7.6686,
1.8878

 9.6632, 6.1117,
0.6704

 11.2445, 8.6988,
2.9714

 12.0505, 9.9160,
4.4575

 13.0171, 11.3295,
6.3814

 14.1531, 12.9481,
8.7748

■ 15.4668, 14.7797,
11.6662

■ 16.9659, 16.8320,
15.0820

■ 18.6576, 19.1122,
19.0467

■ 20.5487, 21.6273,
23.5830

Harmonies

Analogous

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



12.0364, 6.8149, 3.7909



10.0730, 6.8149, 1.1653



7.3965, 6.8149, 0.3731

Triad

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



10.0730, 6.8149, 1.1653



2.8569, 6.8149, 5.1773



8.1649, 6.8149, 28.9105

Complementary

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



10.0730, 6.8149, 1.1653



7.8890, 9.2976, 21.8005

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.



5.6377, 6.8149, 30.2225



10.0730, 6.8149, 1.1653



2.9638, 6.8149, 12.8409

Square

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



10.0730, 6.8149, 1.1653



3.5169, 6.8149, 1.6317



3.8589, 6.8149, 23.1158



10.7564, 6.8149, 20.2051

Rectangle

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



10.0730, 6.8149, 1.1653



5.7455, 6.8149, 0.3579



3.8589, 6.8149, 23.1158



7.2688, 6.8149, 30.3741

Sweetspot

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



10.0731, 6.8153, 1.1654



27.7898, 26.7908, 21.7948



11.0439, 5.6762, 10.9859



6.3417, 6.0453, 4.7326



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.0731, 6.8153, 1.1654



16.8968, 10.5265, 1.1413



14.0261, 14.7213, 2.4831



4.4291, 4.5470, 4.5643



9.5831, 6.0626, 0.6651



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.8890, 9.2976, 21.8005



12.8611, 14.7463, 38.1247



4.6931, 2.9059, 20.7353



4.3364, 4.6668, 5.4855



7.3189, 8.4564, 21.4964



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.0730, 6.8149, 1.1653 looks on a white background.

Color Contrast Check

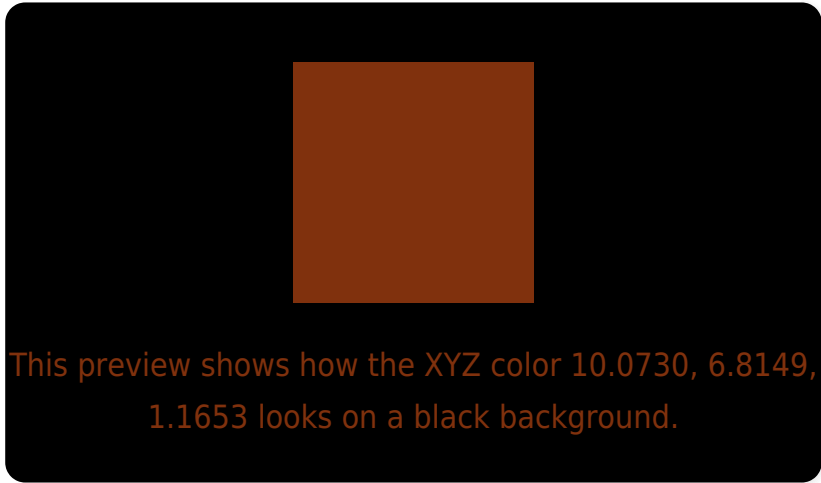
Large Text (above 18pt) WCAG AA ✓ Pass

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

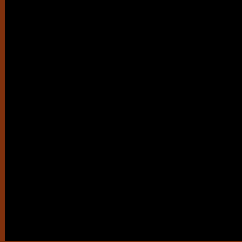
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0730, 6.8149, 1.1653

Background



This preview shows how black text looks on a background with the XYZ color 10.0730, 6.8149, 1.1653.



This preview shows how white text looks on a background with the XYZ color 10.0730, 6.8149,

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

10.0730, 6.8149, 1.1653

Protanopia

6.2985, 6.9675, 1.6747

Deuteranopia

6.9726, 6.9394, 0.9719



Tritanopia

10.5638, 6.8345, 3.5587

Trichromacy



Original Color

10.0730, 6.8149, 1.1653

Protanomaly

7.3049, 6.6462, 1.4282

Deuteranomaly

7.8683, 6.6918, 1.0205

Tritanomaly

10.3731, 6.8215, 2.3601

Monochromacy



Original Color

10.0730, 6.8149, 1.1653

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

6.4935, 5.8407, 3.6908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0730, 6.8149, 1.1653 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(128, 49, 13)` looks like.

```
.text, #text, p{  
  color:rgb(128, 49, 13)  
}
```

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(128, 49, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 49, 13) }
```

Border

The CSS property to change the border of an element to XYZ 10.0730, 6.8149, 1.1653 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(128, 49, 13) }
```


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

```
.border{ border-color:rgb(128, 49, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 49, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 49, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 49, 13);  
box-shadow:4px 4px 4px 4px rgb(128, 49,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0730, 6.8149, 1.1653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 49, 13) }
```

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

```
.background{ background-color: rgb(128, 49,  
13) }
```

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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