

Converting Colors

XYZ(10.2600, 8.3127, 2.3982)

Have a look what the booklet for
XYZ(10.2600, 8.3127, 2.3982)
contains.

XYZ(10.2130, 8.3035, 2.4309)	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(10.2130, 8.3035,
2.4309)**

Conversions

Conversions Part 1

Format	Color
Hex	794420
RGB	121, 68, 32
RGB Percent	47%, 27%, 13%
CMY	0.5255, 0.7333, 0.8745
CMYK	0.00, 0.44, 0.74, 0.53
HSL	24°, 58%, 30%
HSV	24°, 74%, 47%
XYZ	10.2130, 8.3035, 2.4309
YIQ	79.7430, 43.1440, 0.0400

Conversions

Conversions Part 2

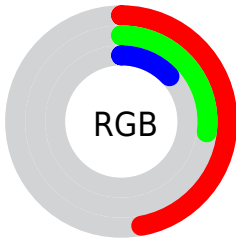
Format	Color
R _Y B	121, 92, 32
Decimal	7947296
CIE Lab	34.61, 19.57, 30.94
CIE LCh	35, 36.609, 57.681
Yxy	8.3035, 0.4876, 0.3964
Android (android.graphics.Color)	4286137376 (0xFF794420)
YUV	79.7430, -23.5373, 36.1824
Hunter-Lab	28.8158, 12.8370, 15.1694

Details

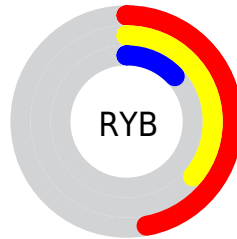
The XYZ color **10.2130, 8.3035, 2.4309** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.2950, 8.1839, 19.2842**, and the grayscale version is **7.6137, 8.0102, 8.7231**.

A 20% lighter version of the original color is **25.8679, 22.6197, 10.2104**, and **2.6903, 1.8417, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **9.6685, 7.4311, 1.5819**, and if you desaturate by 10%, it is **10.8719, 9.3081, 3.6164**.

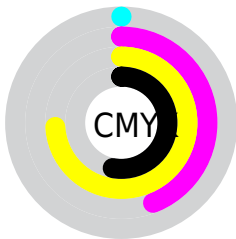
Distribution



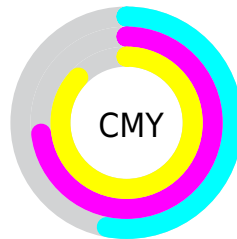
- Red (47%)
- Green (27%)
- Blue (13%)



- Red (47%)
- Yellow (36%)
- Blue (13%)



- Cyan (0%)
- Magenta (44%)
- Yellow (74%)
- Black (53%)



- Cyan (53%)
- Magenta (73%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2130, 8.3035, 2.4309 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 10.2130, 8.3035, 2.4309 by changing the saturation by 10% instead.

■ 10.2130, 8.3035,
2.4309

■ 10.2130, 8.3035,
2.4309

186.2076,
178.0935, 128.7450

■ 5.6038, 4.2898,
0.8032

■ 25.8414, 22.5513,
10.1885

■ 2.6440, 1.8369,
0.0000

■ 37.5913, 33.5542,
17.1643

■ 0.9684, 0.5100,
0.0000

■ 52.4521, 47.6555,
26.7628


■ 0.0000, 0.0000,
0.0000


■ 70.7892, 65.2398,
39.4026


■ 92.9680, 86.6913,
55.5021


■ 119.3537,

112.3945, 75.4800


 150.3118,
142.7338, 99.7548


 10.2130, 8.3035,
2.4309


 10.2130, 8.3035,
2.4309


 9.6685, 7.4311,
1.5819


 10.8719, 9.3081,
3.6164


 9.2282, 6.6827,
1.0275

 11.6524, 10.4496,
5.1699

 8.9813, 6.2573,
0.7344

 12.5618, 11.7342,
7.1199

 13.6064, 13.1670,
9.4915

 14.7921, 14.7529,
12.3082

■ 16.1245, 16.4967,
15.5914

■ 17.6087, 18.4029,
19.3614

■ 19.2498, 20.4756,
23.6369

■ 21.0524, 22.7189,
28.4360

Harmonies

Analogous

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



11.9599, 8.3035, 4.7180



10.2130, 8.3035, 2.4309



8.0541, 8.3035, 1.7711

Triad

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



10.2130, 8.3035, 2.4309



4.5504, 8.3035, 8.5883



9.8858, 8.3035, 23.3269

Complementary

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



10.2130, 8.3035, 2.4309



7.2950, 8.1839, 19.2842

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.



7.7325, 8.3035, 25.8450



10.2130, 8.3035, 2.4309



4.8705, 8.3035, 15.4250

Square

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



10.2130, 8.3035, 2.4309



4.9880, 8.3035, 4.2196



5.9527, 8.3035, 22.4712



11.7490, 8.3035, 16.5922

Rectangle

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



10.2130, 8.3035, 2.4309



6.7459, 8.3035, 1.9553



5.9527, 8.3035, 22.4712



9.1616, 8.3035, 24.7956

Sweetspot

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



10.2132, 8.3039, 2.4311



26.7163, 26.7193, 22.5927



10.0573, 5.7602, 9.2596



6.0010, 5.9669, 4.9050



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.



10.2132, 8.3039, 2.4311



16.7709, 12.3929, 2.1230



13.9510, 15.7796, 3.6770



4.1191, 4.2566, 4.2290



9.6143, 6.6845, 0.7835



45.0718, 30.3070, 3.4743

Inverse Universe

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



7.2950, 8.1839, 19.2842



11.1816, 12.0771, 34.1347



4.8363, 3.2665, 18.4647



3.9775, 4.2532, 5.0545



6.1742, 6.4309, 20.3012



28.6003, 28.9732, 96.5548

Previews

White Background



This preview shows how the XYZ color 10.2130, 8.3035, 2.4309 looks on a white background.

Color Contrast Check

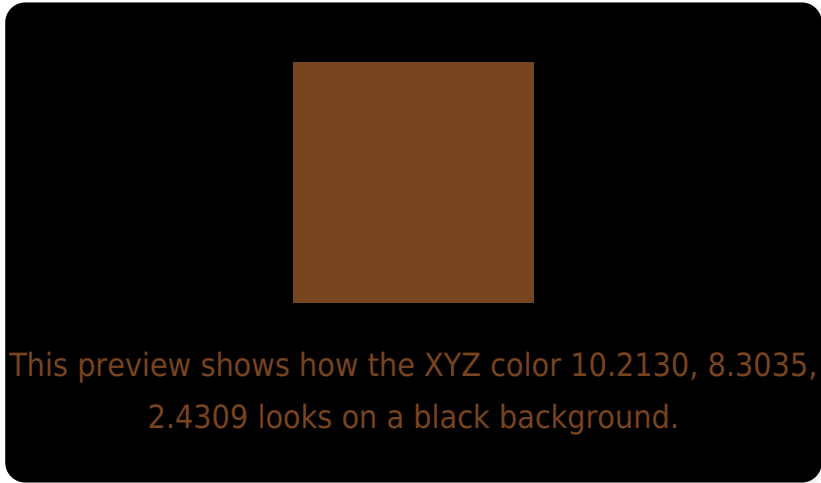
Large Text (above 18pt) WCAG AA ✓ Pass

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

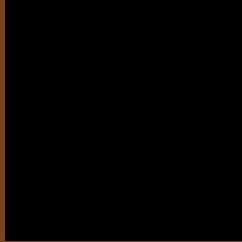
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2130, 8.3035, 2.4309

Background



This preview shows how black text looks on a background with the XYZ color 10.2130, 8.3035, 2.4309.



This preview shows how white text looks on a background with the XYZ color 10.2130, 8.3035,

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

10.2130, 8.3035, 2.4309

Protanopia

7.6501, 8.3861, 2.8845

Deuteranopia

8.4256, 8.3623, 2.3324



Tritanopia

11.0760, 8.3074, 6.6499

Trichromacy



Original Color

10.2130, 8.3035, 2.4309

Protanomaly

8.4367, 8.2539, 2.7386

Deuteranomaly

8.9898, 8.2425, 2.3454

Tritanomaly

10.6301, 8.2037, 4.7646

Monochromacy



Original Color

10.2130, 8.3035, 2.4309

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.2010, 7.9607, 5.8069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2130, 8.3035, 2.4309 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(121, 68, 32)` looks like.

```
.text, #text, p{  
    color:rgb(121, 68, 32)  
}
```

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(121, 68, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 68, 32) }
```

Border

The CSS property to change the border of an element to XYZ 10.2130, 8.3035, 2.4309 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(121, 68, 32) }
```


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

```
.border{ border-color:rgb(121, 68, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 68, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 68, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 68, 32);  
box-shadow:4px 4px 4px 4px rgb(121, 68,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2130, 8.3035, 2.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 68, 32) }
```

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

```
.background{ background-color: rgb(121, 68,  
32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor