

Converting Colors

XYZ(2.2178, 1.7889, 0.2284)

Have a look what the booklet for
XYZ(2.2178, 1.7889, 0.2284)
contains.

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Color

XYZ(2.2430, 1.8085, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	3B1D00
RGB	59, 29, 0
RGB Percent	23%, 11%, 0%
CMY	0.7686, 0.8863, 1.0000
CMYK	0.00, 0.51, 1.00, 0.77
HSL	29°, 100%, 12%
HSV	29°, 100%, 23%
XYZ	2.2430, 1.8085, 0.2309
YIQ	34.6640, 27.1890, -2.6590

Conversions

Conversions Part 2

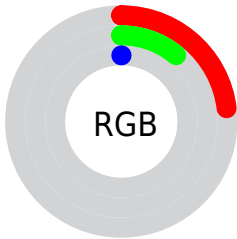
Format	Color
RYB	59, 57, 0
Decimal	3874048
CIELab	14.45, 12.17, 21.61
CIElCh	14, 24.802, 60.604
Yxy	1.8085, 0.5238, 0.4223
Android (android.graphics.Color)	4282064128 (0xFF3B1D00)
YUV	34.6640, -17.0894, 21.3427
Hunter-Lab	13.4480, 6.2379, 8.3956

Details

The XYZ color **2.2430, 1.8085, 0.2309** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **1.2537, 1.2444, 4.3118**, and the grayscale version is **1.5828, 1.6652, 1.8134**.

A 20% lighter version of the original color is **9.2023, 8.2215, 3.7912**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **2.2430, 1.8085, 0.2309**, and if you desaturate by 10%, it is **2.3525, 1.9758, 0.4269**.

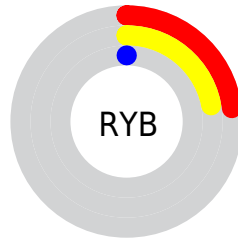
Distribution



Red (23%)

Green (11%)

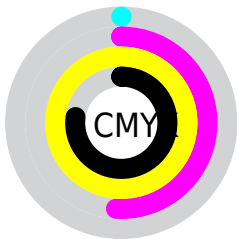
Blue (0%)



Red (23%)

Yellow (22%)

Blue (0%)

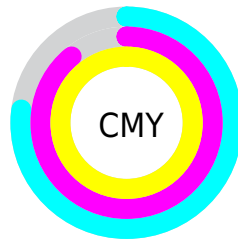


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (77%)



Cyan (77%)


Magenta (89%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 2.2430, 1.8085, 0.2309 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 2.2430, 1.8085, 0.2309 by changing the saturation by 10% instead.

 2.2430, 1.8085,
0.2309


 2.2430, 1.8085,
0.2309

 114.0684,
111.9512, 87.6674


 0.7653, 0.4925,
0.0000


 9.2062, 8.2256,
3.8022

 0.0000, 0.0000,
0.0000

 15.4246, 14.1508,
7.6739


 23.9547, 22.3995,
13.5510


 35.1619, 33.3563,
21.8521


 49.4115, 47.4055,
32.9958


 67.0689, 64.9314,


47.4005


 88.4994, 86.3185,
65.4849


 2.2430, 1.8085,
0.2309

 2.3525, 1.9758,
0.4269

 2.4699, 2.1580,
0.6279

 2.6035, 2.3588,
0.8776

 2.7574, 2.5801,
1.1953

 2.9324, 2.8225,
1.5855

■ 3.1296, 3.0867,
2.0524

■ 3.3498, 3.3733,
2.6001

■ 3.5940, 3.6830,
3.2322

■ 3.8628, 4.0162,
3.9521

Harmonies

Analogous

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



2.7015, 1.8085, 0.8589



2.2430, 1.8085, 0.2309



1.7087, 1.8085, 0.0077

Triad

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



2.2430, 1.8085, 0.2309



0.9170, 1.8085, 1.9987



2.2643, 1.8085, 5.4805

Complementary

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



2.2430, 1.8085, 0.2309



1.2537, 1.2444, 4.3118

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.



1.7292, 1.8085, 6.2859



2.2430, 1.8085, 0.2309



1.0092, 1.8085, 3.7591

Square

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



2.2430, 1.8085, 0.2309



1.0020, 1.8085, 0.8905



1.2836, 1.8085, 5.5389



2.7154, 1.8085, 3.6813

Rectangle

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



2.2430, 1.8085, 0.2309



1.3983, 1.8085, 0.1186



1.2836, 1.8085, 5.5389



2.0852, 1.8085, 5.9071

Sweetspot

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



2.2430, 1.8086, 0.2309



5.5563, 5.5804, 4.2191



2.0442, 1.0261, 1.3513



1.4750, 1.4778, 1.0981



36.1244, 38.0056, 41.3881



1.8636, 1.9607, 2.1352

Same Dimension

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



2.2430, 1.8086, 0.2309



3.7008, 2.9180, 0.3682



3.3175, 3.9576, 0.5891



1.1977, 1.2477, 1.2477



5.6438, 4.3817, 0.5483



35.5517, 26.4528, 3.2321

Inverse Universe

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



1.2537, 1.2444, 4.3118



2.0441, 1.9732, 7.2021



0.8001, 0.3372, 4.1606



1.1502, 1.2207, 1.4439



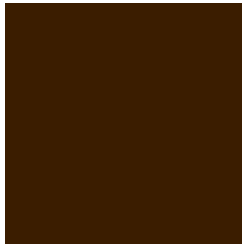
3.0920, 2.9263, 11.0741



19.0481, 17.0327, 71.2856

Previews

White Background



This preview shows how the XYZ color 2.2430, 1.8085, 0.2309 looks on a white background.

Color Contrast Check

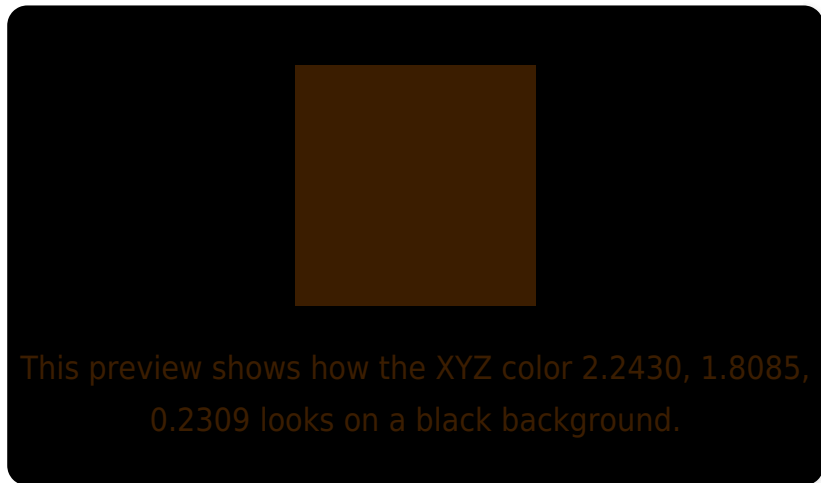
Large Text (above 18pt) WCAG AA ✓ Pass

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

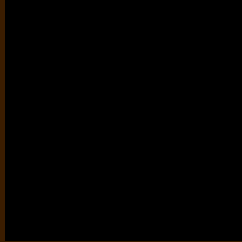
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 2.2430, 1.8085, 0.2309

Background



This preview shows how black text looks on a background with the XYZ color 2.2430, 1.8085, 0.2309.

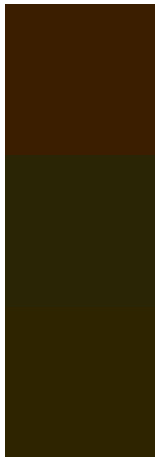


This preview shows how white text looks on a background with the XYZ color 2.2430, 1.8085, 0.2309.

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

2.2430, 1.8085, 0.2309

Protanopia

1.6754, 1.8894, 0.4200

Deuteranopia

1.8032, 1.8661, 0.2652



Tritanopia

2.4772, 1.8332, 1.3857

Trichromacy



Original Color

2.2430, 1.8085, 0.2309

Protanomaly

1.8364, 1.8370, 0.3439

Deuteranomaly

1.9091, 1.7915, 0.2452

Tritanomaly

2.3879, 1.8348, 0.8006

Monochromacy



Original Color

2.2430, 1.8085, 0.2309

Achromatopsia

1.5975, 1.6807, 1.8303

Achromatomaly

1.7274, 1.6811, 0.9925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.2430, 1.8085, 0.2309 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(59, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 29, 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(59, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 29, 0) }
```

Border

The CSS property to change the border of an element to XYZ 2.2430, 1.8085, 0.2309 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(59, 29, 0) }
```

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

```
.border{ border-color:rgb(59, 29, 0) }
```

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

Here you see how a box with a 4 pixel rgb(59, 29, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 29, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 29, 0); box-shadow:4px  
4px 4px 4px rgb(59, 29, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 2.2430, 1.8085, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 29, 0) }
```

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

```
.background{ background-color: rgb(59, 29,  
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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