

Converting Colors

XYZ(2.2870, 2.7602, 0.8911)

Have a look what the booklet for
XYZ(2.2870, 2.7602, 0.8911)
contains.

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Color

XYZ(2.2772, 2.7322, 0.8975)

Conversions

Conversions Part 1

Format	Color
Hex	2E3010
RGB	46, 48, 16
RGB Percent	18%, 19%, 6%
CMY	0.8196, 0.8118, 0.9373
CMYK	0.04, 0.00, 0.67, 0.81
HSL	64°, 50%, 13%
HSV	64°, 67%, 19%
XYZ	2.2772, 2.7322, 0.8975
YIQ	43.7540, 9.0800, -10.3760

Conversions

Conversions Part 2

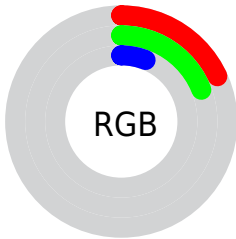
Format	Color
RYB	16, 48, 18
Decimal	3026960
CIELab	18.94, -6.45, 19.81
CIELCh	19, 20.838, 108.036
Yxy	2.7322, 0.3855, 0.4625
Android (android.graphics.Color)	4281217040 (0xFF2E3010)
YUV	43.7540, -13.6827, 1.9697
Hunter-Lab	16.5294, -4.3350, 8.3513

Details

The XYZ color **2.2772, 2.7322, 0.8975** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **0.9683, 0.7126, 2.8830**, and the grayscale version is **2.3823, 2.5063, 2.7294**.

A 20% lighter version of the original color is **9.3063, 10.6483, 5.7025**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **2.2318, 2.7126, 0.7286**, and if you desaturate by 10%, it is **2.3308, 2.7553, 1.1087**.

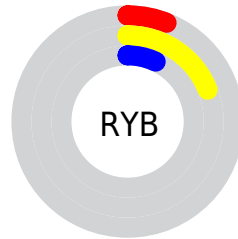
Distribution



Red (18%)

Green (19%)

Blue (6%)



Red (6%)

Yellow (19%)

Blue (7%)

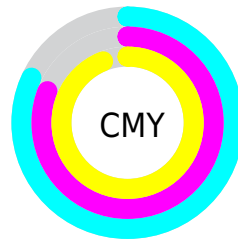


Cyan (4%)

Magenta (0%)

Yellow (67%)

Black (81%)



Cyan (82%)

Magenta (81%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 2.2772, 2.7322, 0.8975 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 2.2772, 2.7322, 0.8975 by changing the saturation by 10% instead.

■ 2.2772, 2.7322,
0.8975

■ 2.2772, 2.7322,
0.8975

■ 114.5361,
124.9417, 101.8473

■ 0.7830, 0.9936,
0.0000

■ 9.2937, 10.6228,
5.7204

■ 0.0000, 0.0000,
0.0000

■ 15.5480, 17.5436,
10.6494


■ 24.1201, 26.9606,
17.8152

■ 35.3755, 39.2581,
27.6366

■ 49.6794, 54.8206,
40.5319


■ 67.3973, 74.0324,


56.9198


 88.8944, 97.2780,
77.2188


 2.2772, 2.7322,
0.8975


 2.2772, 2.7322,
0.8975


 2.2318, 2.7126,
0.7286


 2.3308, 2.7553,
1.1087


 2.1919, 2.6951,
0.5884


 2.3930, 2.7818,
1.3648

 2.1523, 2.6777,
0.4493

 2.4642, 2.8119,
1.6681

 2.1392, 2.6719,
0.4030

 2.5450, 2.8458,
2.0209

 2.6356, 2.8836,
2.4252

■ 2.7365, 2.9256,
2.8830

■ 2.8479, 2.9718,
3.3962

■ 2.9704, 3.0224,
3.9665

■ 3.1040, 3.0775,
4.5955

Harmonies

Analogous

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



2.8268, 2.7322, 0.8576



2.2772, 2.7322, 0.8975



1.8749, 2.7322, 1.3512

Triad

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



2.2772, 2.7322, 0.8975



1.9407, 2.7322, 5.9117



3.8007, 2.7322, 3.6619

Complementary

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



2.2772, 2.7322, 0.8975



0.9683, 0.7126, 2.8830

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.



3.4837, 2.7322, 5.5536



2.2772, 2.7322, 0.8975



2.3798, 2.7322, 7.1326

Square

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



2.2772, 2.7322, 0.8975



1.7008, 2.7322, 4.0368



2.9451, 2.7322, 6.9820



3.7627, 2.7322, 2.1177

Rectangle

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



2.2772, 2.7322, 0.8975



1.7199, 2.7322, 1.9631



2.9451, 2.7322, 6.9820



3.7304, 2.7322, 4.2855

Sweetspot

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



2.2773, 2.7323, 0.8976



4.1228, 4.5545, 3.5631



1.5224, 1.0856, 0.6195



1.1764, 1.3002, 1.0131



32.5443, 34.2392, 37.2864



1.2748, 1.3412, 1.4605

Same Dimension

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



2.2773, 2.7323, 0.8976



3.5002, 4.2897, 0.9991



1.6978, 2.4336, 0.8704



0.7865, 0.8436, 0.8142



6.8009, 8.5294, 1.2879



48.1303, 60.5839, 9.1571

Inverse Universe

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



0.9683, 0.7126, 2.8830



1.1841, 0.7120, 4.5182



1.3654, 0.9173, 2.9016



0.7210, 0.7426, 0.9133



1.7760, 0.7182, 8.9977



12.3351, 4.9539, 64.0584

Previews

White Background



This preview shows how the XYZ color 2.2772, 2.7322, 0.8975 looks on a white background.

Color Contrast Check

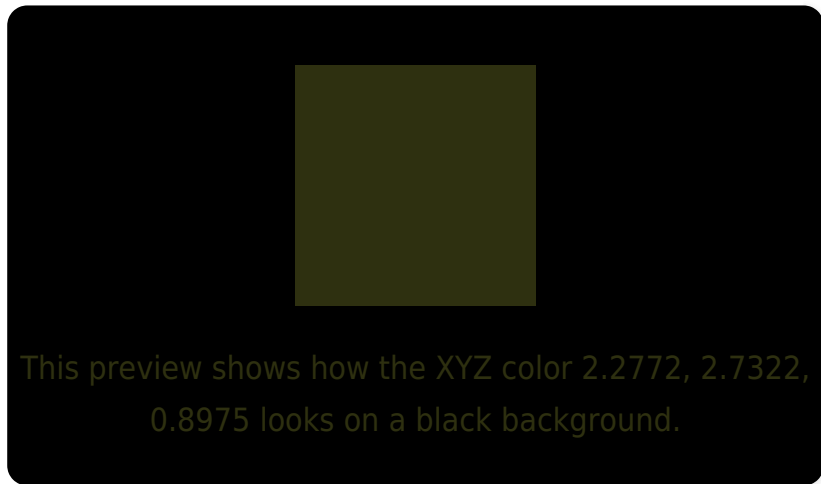
Large Text (above 18pt) WCAG AA ✓ Pass

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

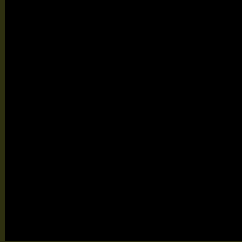
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

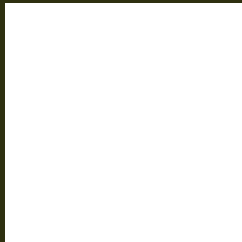
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 2.2772, 2.7322, 0.8975

Background



This preview shows how black text looks on a background with the XYZ color 2.2772, 2.7322, 0.8975.

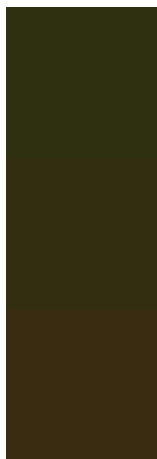


This preview shows how white text looks on a background with the XYZ color 2.2772, 2.7322, 0.8975.

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

2.2772, 2.7322, 0.8975

Protanopia

2.4867, 2.7215, 0.8844

Deuteranopia

2.6892, 2.7117, 0.9120



Tritanopia

2.7385, 2.7431, 3.1814

Trichromacy



Original Color

2.2772, 2.7322, 0.8975

Protanomaly

2.4254, 2.7486, 0.8929

Deuteranomaly

2.5078, 2.6741, 0.9143

Tritanomaly

2.5144, 2.7097, 2.0596

Monochromacy



Original Color

2.2772, 2.7322, 0.8975

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

2.3093, 2.5502, 1.8839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 2.2772, 2.7322, 0.8975 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(46, 48, 16)` looks like.

```
.text, #text, p{  
    color:rgb(46, 48, 16)  
}
```

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(46, 48, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 48, 16) }
```

Border

The CSS property to change the border of an element to XYZ 2.2772, 2.7322, 0.8975 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(46, 48, 16) }
```

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

```
.border{ border-color:rgb(46, 48, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 48, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 48, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 48, 16);  
box-shadow:4px 4px 4px 4px rgb(46, 48, 16)  
}
```


Background

The CSS property to change the background color of an element to XYZ 2.2772, 2.7322, 0.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 48, 16) }
```

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

```
.background{ background-color: rgb(46, 48,  
16) }
```

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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