

Converting Colors

XYZ(13.3395, 13.0016, 1.8065)

Have a look what the booklet for
XYZ(13.3395, 13.0016, 1.8065)
contains.

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Color

**XYZ(13.2981, 12.9302,
1.7949)**

Conversions

Conversions Part 1

Format	Color
Hex	825F00
RGB	130, 95, 0
RGB Percent	51%, 37%, 0%
CMY	0.4902, 0.6274, 1.0000
CMYK	0.00, 0.27, 1.00, 0.49
HSL	44°, 100%, 25%
HSV	44°, 100%, 51%
XYZ	13.2981, 12.9302, 1.7949
YIQ	94.6350, 51.3550, -22.1250

Conversions

Conversions Part 2

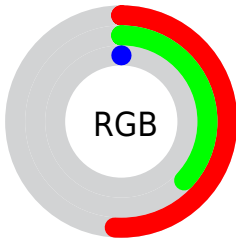
Format	Color
R_{YB}	48, 130, 0
Decimal	8544000
CIE Lab	42.66, 6.73, 50.23
CIE LCh	43, 50.683, 82.365
Yxy	12.9302, 0.4745, 0.4614
Android (android.graphics.Color)	4286734080 (0xFF825F00)
YUV	94.6350, -46.6551, 31.0151
Hunter-Lab	35.9586, 3.0848, 22.2115

Details

The XYZ color **13.2981, 12.9302, 1.7949** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.6303, 2.8138, 21.4180**, and the grayscale version is **10.8896, 11.4568, 12.4764**.

A 20% lighter version of the original color is **31.4083, 31.1314, 8.4912**, and **4.0788, 3.7331, 0.5056** is the 20% darker color. If you saturate the color by 10%, you get **13.2982, 12.9306, 1.7950**, and if you desaturate by 10%, it is **13.6934, 13.6047, 2.2852**.

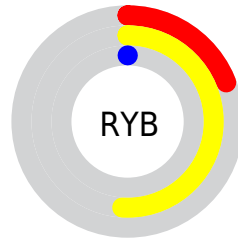
Distribution



Red (51%)

Green (37%)

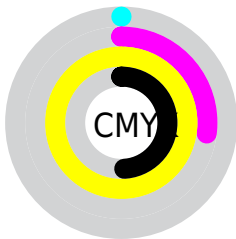
Blue (0%)



Red (19%)

Yellow (51%)

Blue (0%)

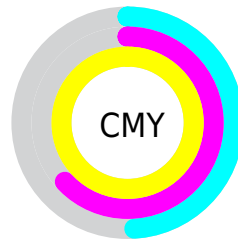


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2981, 12.9302, 1.7949 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 13.2981, 12.9302, 1.7949 by changing the saturation by 10% instead.

■ 13.2981, 12.9302,
1.7949

■ 13.2981, 12.9302,
1.7949

■ 206.4186,
210.4698, 119.1060

■ 7.7126, 7.3805,
0.4246

■ 31.4351, 31.1783,
8.4721

■ 3.9618, 3.7012,
0.0000

■ 44.7172, 44.6455,
14.7105

■ 1.6806, 1.5079,
0.0000

■ 61.2956, 61.5207,
23.4401

■ 0.4441, 0.2942,
0.0000


■ 81.5356, 82.1883,
35.0796


■ 0.0000, 0.0000,
0.0000


■ 105.8025,
107.0325, 50.0473


■ 134.4618,


136.4380, 68.7620


 167.8787,
170.7889, 91.6420


 13.2981, 12.9302,
1.7949


 13.2981, 12.9302,
1.7949


 13.2982, 12.9306,
1.7950

 13.6934, 13.6047,
2.2852

 14.1440, 14.3237,
2.9969

 14.6751, 15.0982,
4.0607

 15.2947, 15.9316,
5.5184

 16.0098, 16.8270,
7.4059

■ 16.8268, 17.7871,
9.7550

■ 17.7510, 18.8146,
12.5946

■ 18.7879, 19.9116,
15.9510

■ 19.9421, 21.0804,
19.8489

Harmonies

Analogous

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



17.3777, 12.9302, 3.0889



13.2981, 12.9302, 1.7949



9.6866, 12.9302, 2.1747

Triad

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



13.2981, 12.9302, 1.7949



6.6437, 12.9302, 23.7662



19.1209, 12.9302, 31.3623

Complementary

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



13.2981, 12.9302, 1.7949



4.6303, 2.8138, 21.4180

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.



15.3219, 12.9302, 44.1263



13.2981, 12.9302, 1.7949



8.3066, 12.9302, 38.3733

Square

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



13.2981, 12.9302, 1.7949



6.3235, 12.9302, 11.4497



11.3337, 12.9302, 47.2032



21.1668, 12.9302, 17.0824

Rectangle

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



13.2981, 12.9302, 1.7949



7.9519, 12.9302, 3.5157



11.3337, 12.9302, 47.2032



17.9731, 12.9302, 36.2237

Sweetspot

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



13.2984, 12.9308, 1.7951



31.1439, 33.0068, 21.8099



9.5373, 4.8784, 2.1758



6.9161, 7.3249, 4.5216



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.



13.2984, 12.9308, 1.7951



23.2943, 22.5217, 3.1194



13.4433, 18.7802, 2.9166



4.5705, 4.8297, 4.6115



12.7568, 12.4101, 1.7230



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6303, 2.8138, 21.4180



8.0461, 4.7387, 37.6831



4.5128, 1.8611, 21.2403



4.1958, 4.3856, 5.4386



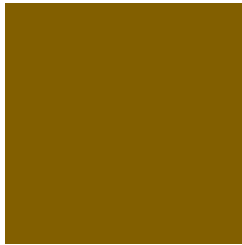
4.4448, 2.7081, 20.5384



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.2981, 12.9302, 1.7949 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 × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2981, 12.9302, 1.7949

Background



This preview shows how black text looks on a background with the XYZ color 13.2981, 12.9302, 1.7949.



This preview shows how white text looks on a background with the XYZ color 13.2981, 12.9302,

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

13.2981, 12.9302, 1.7949

Protanopia

11.6315, 12.9001, 2.0779

Deuteranopia

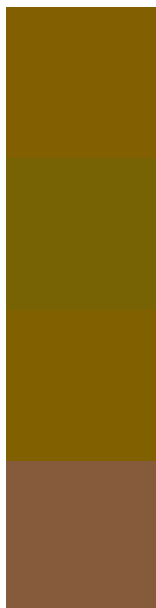
13.0850, 12.9549, 1.8109



Tritanopia

15.3868, 12.8740, 12.5004

Trichromacy



Original Color

13.2981, 12.9302, 1.7949

Protanomaly

12.2295, 12.9255, 1.9652

Deuteranomaly

13.2361, 13.0329, 1.8180

Tritanomaly

14.2296, 12.7950, 5.9947

Monochromacy



Original Color

13.2981, 12.9302, 1.7949

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0922, 11.6988, 5.9484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2981, 12.9302, 1.7949 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(130, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 95, 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(130, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.2981, 12.9302, 1.7949 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(130, 95, 0) }
```


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

```
.border{ border-color:rgb(130, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(130, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2981, 12.9302, 1.7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 95, 0) }
```

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

```
.background{ background-color: rgb(130, 95,  
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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