

Converting Colors

XYZ(13.3634, 13.4479, 4.4111)

Have a look what the booklet for
XYZ(13.3634, 13.4479, 4.4111)
contains.

XYZ(13.3929, 13.4731, 4.3773)	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(13.3929, 13.4731,
4.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	7D632D
RGB	125, 99, 45
RGB Percent	49%, 39%, 18%
CMY	0.5098, 0.6118, 0.8235
CMYK	0.00, 0.21, 0.64, 0.51
HSL	41°, 47%, 33%
HSV	41°, 64%, 49%
XYZ	13.3929, 13.4731, 4.3773
YIQ	100.6180, 32.8300, -11.2820

Conversions

Conversions Part 2

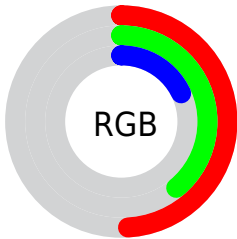
Format	Color
RYB	84, 125, 45
Decimal	8217389
CIELab	43.47, 3.86, 34.02
CIElCh	43, 34.235, 83.528
Yxy	13.4731, 0.4287, 0.4312
Android (android.graphics.Color)	4286407469 (0xFF7D632D)
YUV	100.6180, -27.4197, 21.3830
Hunter-Lab	36.7057, 0.8947, 18.6234

Details

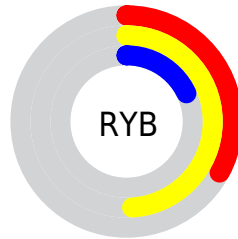
The XYZ color **13.3929, 13.4731, 4.3773** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.0370, 6.5447, 20.2942**, and the grayscale version is **12.3339, 12.9762, 14.1311**.

A 20% lighter version of the original color is **31.7045, 32.3063, 14.9207**, and **4.0208, 3.9627, 0.5530** is the 20% darker color. If you saturate the color by 10%, you get **12.8119, 12.6409, 3.1672**, and if you desaturate by 10%, it is **14.0652, 14.3739, 5.9699**.

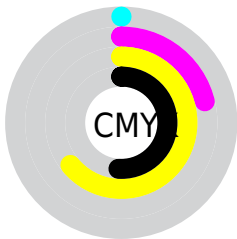
Distribution



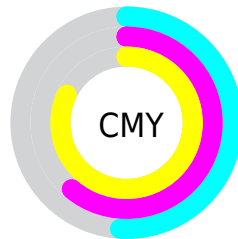
- Red (49%)
- Green (39%)
- Blue (18%)



- Red (33%)
- Yellow (49%)
- Blue (18%)



- Cyan (0%)
- Magenta (21%)
- Yellow (64%)
- Black (51%)



- Cyan (51%)
- Magenta (61%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3929, 13.4731, 4.3773 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 13.3929, 13.4731, 4.3773 by changing the saturation by 10% instead.

■ 13.3929, 13.4731,
4.3773

■ 13.3929, 13.4731,
4.3773

207.0077,
213.9278, 152.3310

■ 7.7785, 7.7551,
1.8345

■ 31.6032, 32.1512,
14.8710

■ 4.0042, 3.9387,
0.4506

■ 44.9298, 45.8800,
23.6590

■ 1.7045, 1.6393,
0.0000

■ 61.5579, 63.0480,
35.3658

■ 0.4591, 0.3839,
0.0000

■ 81.8528, 84.0394,
50.4099

■ 0.0000, 0.0000,
0.0000

■ 106.1799,
109.2387, 69.2100

■ 134.9045,

139.0303, 92.1845

168.3920,
173.7985, 119.7520

■ 13.3929, 13.4731,
4.3773

■ 13.3929, 13.4731,
4.3773

■ 12.8119, 12.6409,
3.1672

■ 14.0652, 14.3739,
5.9699

■ 12.3144, 11.8721,
2.3044

■ 14.8339, 15.3441,
7.9745

■ 11.8919, 11.1633,
1.7434

■ 15.7046, 16.3870,
10.4183

■ 11.6573, 10.7597,
1.4624

■ 16.6824, 17.5050,
13.3263

■ 17.7718, 18.7004,
16.7214

■ 18.9772, 19.9752,
20.6250

■ 20.3025, 21.3315,
25.0573

■ 21.7518, 22.7713,
30.0373

■ 23.3285, 24.2963,
35.5831

Harmonies

Analogous

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



16.1044, 13.4731, 5.7420



13.3929, 13.4731, 4.3773



10.8648, 13.4731, 4.9005

Triad

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



13.3929, 13.4731, 4.3773



8.6539, 13.4731, 21.3526



17.3908, 13.4731, 25.2534

Complementary

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



13.3929, 13.4731, 4.3773



7.0370, 6.5447, 20.2942

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.



14.9652, 13.4731, 32.6886



13.3929, 13.4731, 4.3773



9.9915, 13.4731, 29.9434

Square

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



13.3929, 13.4731, 4.3773



8.3541, 13.4731, 13.0751



12.2361, 13.4731, 34.6509



18.6106, 13.4731, 16.3895

Rectangle

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



13.3929, 13.4731, 4.3773



9.5871, 13.4731, 6.3868



12.2361, 13.4731, 34.6509



16.6745, 13.4731, 28.1116

Sweetspot

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



13.3932, 13.4738, 4.3776



30.7348, 32.3019, 26.5137



10.5547, 6.7004, 6.8112



6.8877, 7.2334, 5.7112



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.3932, 13.4738, 4.3776



22.4920, 21.9534, 4.8467



14.4469, 18.2795, 5.2496



4.5512, 4.7912, 4.6050



12.1603, 11.2170, 1.5242



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.0370, 6.5447, 20.2942



10.1620, 8.5565, 35.8603



6.4045, 4.2671, 19.8879



4.2141, 4.4223, 5.4447



4.6714, 3.1613, 20.6139



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3929, 13.4731, 4.3773 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



This preview shows how the XYZ color 13.3929, 13.4731, 4.3773 looks on a 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 13.3929, 13.4731, 4.3773

Background



This preview shows how black text looks on a background with the XYZ color 13.3929, 13.4731, 4.3773.



This preview shows how white text looks on a background with the XYZ color 13.3929, 13.4731,

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

13.3929, 13.4731, 4.3773

Protanopia

12.2828, 13.4752, 4.5384

Deuteranopia

13.7434, 13.5140, 4.3667



Tritanopia

15.2679, 13.4159, 13.8414

Trichromacy



Original Color

13.3929, 13.4731, 4.3773

Protanomaly

12.7157, 13.5516, 4.5303

Deuteranomaly

13.5937, 13.4369, 4.3597

Tritanomaly

14.4423, 13.3528, 9.4056

Monochromacy



Original Color

13.3929, 13.4731, 4.3773

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4728, 13.0234, 9.6410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3929, 13.4731, 4.3773 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(125, 99, 45)` looks like.

```
.text, #text, p{  
    color:rgb(125, 99, 45)  
}
```

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(125, 99, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 99, 45) }
```

Border

The CSS property to change the border of an element to XYZ 13.3929, 13.4731, 4.3773 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(125, 99, 45) }
```


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

```
.border{ border-color:rgb(125, 99, 45) }
```

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

Here you see how a box with a 4 pixel rgb(125, 99, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 99, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 99, 45);  
box-shadow:4px 4px 4px 4px rgb(125, 99,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3929, 13.4731, 4.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 99, 45) }
```

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

```
.background{ background-color: rgb(125, 99,  
45) }
```

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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