

Converting Colors

XYZ(13.6043, 12.7371, 2.7164)

Have a look what the booklet for
XYZ(13.6043, 12.7371, 2.7164)
contains.

XYZ(13.5293, 12.6344, 2.7029)	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(13.5293, 12.6344,
2.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	845C1A
RGB	132, 92, 26
RGB Percent	52%, 36%, 10%
CMY	0.4824, 0.6392, 0.8980
CMYK	0.00, 0.30, 0.80, 0.48
HSL	37°, 67%, 31%
HSV	37°, 80%, 52%
XYZ	13.5293, 12.6344, 2.7029
YIQ	96.4360, 45.0260, -12.0460

Conversions

Conversions Part 2

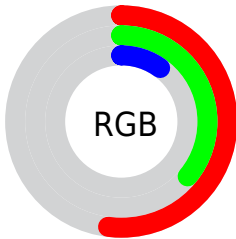
Format	Color
RYB	90, 132, 26
Decimal	8674330
CIELab	42.21, 10.17, 42.01
CIELCh	42, 43.228, 76.390
Yxy	12.6344, 0.4687, 0.4377
Android (android.graphics.Color)	4286864410 (0xFF845C1A)
YUV	96.4360, -34.7249, 31.1896
Hunter-Lab	35.5449, 5.7381, 20.3729

Details

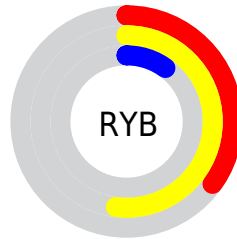
The XYZ color **13.5293, 12.6344, 2.7029** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.5390, 5.7818, 22.6009**, and the grayscale version is **11.2989, 11.8874, 12.9453**.

A 20% lighter version of the original color is **31.9293, 30.6728, 10.8942**, and **4.1189, 3.5737, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **12.9971, 11.7542, 1.9579**, and if you desaturate by 10%, it is **14.1585, 13.5998, 3.8159**.

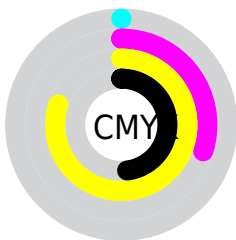
Distribution



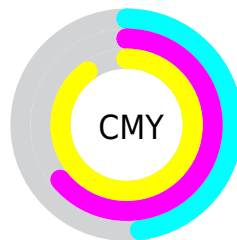
- Red (52%)
- Green (36%)
- Blue (10%)



- Red (35%)
- Yellow (52%)
- Blue (10%)



- Cyan (0%)
- Magenta (30%)
- Yellow (80%)
- Black (48%)



- Cyan (48%)
- Magenta (64%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5293, 12.6344, 2.7029 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 13.5293, 12.6344, 2.7029 by changing the saturation by 10% instead.

■ 13.5293, 12.6344,
2.7029

■ 13.5293, 12.6344,
2.7029

207.8523,
208.5611, 132.4817

■ 7.8735, 7.1773,
0.9449

■ 31.8448, 30.6454,
10.8861

■ 4.0652, 3.5732,
0.0000

■ 45.2352, 43.9680,
18.1485

■ 1.7391, 1.4378,
0.0000

■ 61.9345, 60.6813,
28.0827

■ 0.4806, 0.2443,
0.0000


■ 82.3081, 81.1697,
41.1075


■ 0.0000, 0.0000,
0.0000


■ 106.7213,
105.8174, 57.6412


■ 135.5395,


135.0090, 78.1025


 169.1281,
169.1287, 102.9098


 13.5293, 12.6344,
2.7029


 13.5293, 12.6344,
2.7029


 12.9971, 11.7542,
1.9579


 14.1585, 13.5998,
3.8159

 12.5475, 10.9691,
1.4559

 14.8925, 14.6530,
5.3399

 15.7394, 15.7983,
7.3128

 16.7058, 17.0393,
9.7679

 17.7980, 18.3792,
12.7352

■ 19.0216, 19.8212,
16.2424

■ 20.3820, 21.3679,
20.3152

■ 21.8841, 23.0223,
24.9776

■ 23.5327, 24.7868,
30.2520

Harmonies

Analogous

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



16.8190, 12.6344, 4.4824



13.5293, 12.6344, 2.7029



10.3409, 12.6344, 2.7790

Triad

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



13.5293, 12.6344, 2.7029



6.9838, 12.6344, 19.4072



17.0869, 12.6344, 30.0221

Complementary

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



13.5293, 12.6344, 2.7029



6.5390, 5.7818, 22.6009

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.



13.8466, 12.6344, 38.8297



13.5293, 12.6344, 2.7029



8.2159, 12.6344, 31.0597

Square

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



13.5293, 12.6344, 2.7029



6.9296, 12.6344, 9.9832



10.6064, 12.6344, 39.2771



19.1081, 12.6344, 18.3783

Rectangle

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



13.5293, 12.6344, 2.7029



8.6897, 12.6344, 3.8349



10.6064, 12.6344, 39.2771



16.0804, 12.6344, 33.6028

Sweetspot

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



13.5296, 12.6350, 2.7031



32.5652, 33.8174, 25.8760



10.8873, 6.0453, 5.8459



7.4287, 7.6924, 5.5872



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.5296, 12.6350, 2.7031



22.2640, 19.5853, 2.8031



16.1326, 20.5438, 4.0925



4.8960, 5.1355, 4.9626



12.1544, 10.6315, 1.4115



0.0492, 0.0509, 0.0072

Inverse Universe

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



6.5390, 5.7818, 22.6009



9.5330, 7.2007, 39.3406



5.3473, 2.8239, 22.0928



4.5678, 4.8113, 5.8887



5.1339, 3.8157, 21.6026



0.0244, 0.0265, 0.0770

Previews

White Background



This preview shows how the XYZ color 13.5293, 12.6344, 2.7029 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 13.5293, 12.6344, 2.7029 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 13.5293, 12.6344, 2.7029

Background



This preview shows how black text looks on a background with the XYZ color 13.5293, 12.6344, 2.7029.



This preview shows how white text looks on a background with the XYZ color 13.5293, 12.6344,

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

13.5293, 12.6344, 2.7029

Protanopia

11.4489, 12.6429, 2.9355

Deuteranopia

12.8719, 12.6902, 2.6907



Tritanopia

15.4129, 12.6625, 11.7570

Trichromacy



Original Color

13.5293, 12.6344, 2.7029

Protanomaly

12.0803, 12.5505, 2.8227

Deuteranomaly

13.0803, 12.6648, 2.6748

Tritanomaly

14.5248, 12.5477, 7.1252

Monochromacy



Original Color

13.5293, 12.6344, 2.7029

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5362, 11.8906, 7.6483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5293, 12.6344, 2.7029 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(132, 92, 26)` looks like.

```
.text, #text, p{  
    color:rgb(132, 92, 26)  
}
```

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(132, 92, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 92, 26) }
```

Border

The CSS property to change the border of an element to XYZ 13.5293, 12.6344, 2.7029 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(132, 92, 26) }
```


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

```
.border{ border-color:rgb(132, 92, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 92, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 92, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 92, 26);  
box-shadow:4px 4px 4px 4px rgb(132, 92,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5293, 12.6344, 2.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 92, 26) }
```

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

```
.background{ background-color: rgb(132, 92,  
26) }
```

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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