

Converting Colors

XYZ(12.9585, 14.3581, 2.6443)

Have a look what the booklet for
XYZ(12.9585, 14.3581, 2.6443)
contains.

XYZ(12.8710, 14.2737, 2.6490)	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(12.8710, 14.2737,
2.6490)**

Conversions

Conversions Part 1

Format	Color
Hex	776A12
RGB	119, 106, 18
RGB Percent	47%, 42%, 7%
CMY	0.5333, 0.5843, 0.9294
CMYK	0.00, 0.11, 0.85, 0.53
HSL	52°, 74%, 27%
HSV	52°, 85%, 47%
XYZ	12.8710, 14.2737, 2.6490
YIQ	99.8550, 35.9960, -24.6120

Conversions

Conversions Part 2

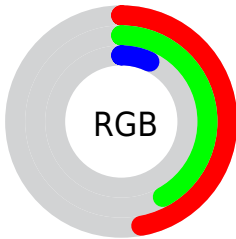
Format	Color
R_{YB}	33, 119, 18
Decimal	7825938
CIE Lab	44.62, -4.55, 46.57
CIE LCh	45, 46.791, 95.575
Yxy	14.2737, 0.4320, 0.4791
Android (android.graphics.Color)	4286016018 (0xFF776A12)
YUV	99.8550, -40.3545, 16.7902
Hunter-Lab	37.7806, -5.3050, 22.2892

Details

The XYZ color **12.8710, 14.2737, 2.6490** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.0693, 2.4405, 17.7093**, and the grayscale version is **12.1697, 12.8035, 13.9430**.

A 20% lighter version of the original color is **30.6499, 33.5675, 10.8250**, and **3.8787, 4.3212, 0.6296** is the 20% darker color. If you saturate the color by 10%, you get **12.6391, 13.9312, 2.1981**, and if you desaturate by 10%, it is **13.1545, 14.6424, 3.3548**.

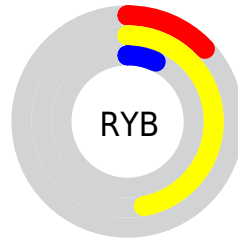
Distribution



Red (47%)

Green (42%)

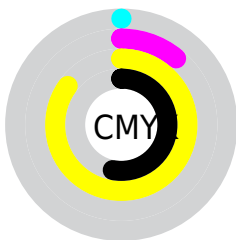
Blue (7%)



Red (13%)

Yellow (47%)

Blue (7%)

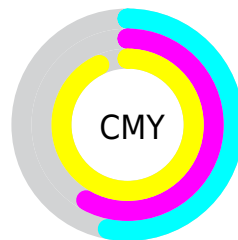


Cyan (0%)

Magenta (11%)

Yellow (85%)

Black (53%)



Cyan (53%)


Magenta (58%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8710, 14.2737, 2.6490 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 12.8710, 14.2737, 2.6490 by changing the saturation by 10% instead.


 12.8710, 14.2737,
2.6490


 12.8710, 14.2737,
2.6490


203.7436,
218.9269, 131.7563


 7.4162, 8.3113,
0.9176


 30.6751, 33.5739,
10.7493


 3.7723, 4.2948,
0.0000

 43.7551, 47.6804,
17.9560


 1.5742, 1.8398,
0.0000

 60.1076, 65.2705,
27.8252

 0.3755, 0.5118,
0.0000


 80.0978, 86.7284,
40.7753


 0.0000, 0.0000,
0.0000


 104.0911,
112.4386, 57.2249


 132.4530,


142.7855, 77.5926


 165.5487,
178.1535, 102.2969


 12.8710, 14.2737,
2.6490


 12.8710, 14.2737,
2.6490


 12.6391, 13.9312,
2.1981


 13.1545, 14.6424,
3.3548

 12.5265, 13.7596,
1.9956

 13.4978, 15.0391,
4.3636

 13.9073, 15.4667,
5.7061

 14.3878, 15.9274,
7.4092

 14.9442, 16.4230,
9.4972

■ 15.5805, 16.9552,
11.9919

■ 16.3006, 17.5255,
14.9138

■ 17.1083, 18.1356,
18.2819

■ 18.0067, 18.7866,
22.1140

Harmonies

Analogous

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



16.8091, 14.2737, 3.2310



12.8710, 14.2737, 2.6490



9.7532, 14.2737, 3.9961

Triad

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



12.8710, 14.2737, 2.6490



8.4604, 14.2737, 31.1214



21.3432, 14.2737, 25.8689

Complementary

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



12.8710, 14.2737, 2.6490



4.0693, 2.4405, 17.7093

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.



18.2637, 14.2737, 39.4502



12.8710, 14.2737, 2.6490



10.7707, 14.2737, 43.3447

Square

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



12.8710, 14.2737, 2.6490



7.5291, 14.2737, 17.6586



14.2871, 14.2737, 46.9458



22.1899, 14.2737, 13.6010

Rectangle

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



12.8710, 14.2737, 2.6490



8.3993, 14.2737, 6.4761



14.2871, 14.2737, 46.9458



20.5100, 14.2737, 30.5798

Sweetspot

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



12.8713, 14.2744, 2.6493



27.8081, 30.2868, 21.1061



8.0777, 4.4561, 1.7634



6.5106, 7.1121, 4.6863



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.8713, 14.2744, 2.6493



22.3620, 24.5003, 3.5504



10.1829, 15.0297, 2.9368



3.9284, 4.1898, 3.9439



13.3040, 14.6092, 2.1187



64.3931, 70.3147, 10.1782

Inverse Universe

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



4.0693, 2.4405, 17.7093



6.2132, 2.8860, 31.4827



5.1237, 2.5779, 17.6802



3.5351, 3.6589, 4.6102



3.7193, 1.7783, 18.6898



17.7604, 7.9374, 90.9563

Previews

White Background



This preview shows how the XYZ color 12.8710, 14.2737, 2.6490 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 12.8710, 14.2737, 2.6490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

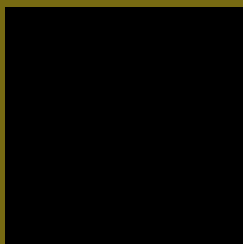
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8710, 14.2737, 2.6490

Background



This preview shows how black text looks on a background with the XYZ color 12.8710, 14.2737, 2.6490.



This preview shows how white text looks on a background with the XYZ color 12.8710, 14.2737,

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

12.8710, 14.2737, 2.6490

Protanopia

12.8710, 14.2737, 2.6490

Deuteranopia

14.3749, 14.1588, 2.7343



Tritanopia

15.5208, 14.3243, 15.5825

Trichromacy



Original Color

12.8710, 14.2737, 2.6490

Protanomaly

12.8710, 14.2737, 2.6490

Deuteranomaly

13.7888, 14.1461, 2.7132

Tritanomaly

14.1558, 14.2081, 8.4749

Monochromacy



Original Color

12.8710, 14.2737, 2.6490

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9203, 13.0707, 7.6890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8710, 14.2737, 2.6490 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(119, 106, 18)` looks like.

```
.text, #text, p{  
    color:rgb(119, 106, 18)  
}
```

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(119, 106, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 106, 18) }
```

Border

The CSS property to change the border of an element to XYZ 12.8710, 14.2737, 2.6490 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(119, 106, 18) }
```


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

```
.border{ border-color:rgb(119, 106, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 106, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 106, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 106, 18);  
box-shadow:4px 4px 4px 4px rgb(119, 106,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8710, 14.2737, 2.6490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 106, 18) }
```

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

```
.background{ background-color: rgb(119,  
106, 18) }
```

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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