

Converting Colors

XYZ(12.9851, 11.6579, 2.9328)

Have a look what the booklet for
XYZ(12.9851, 11.6579, 2.9328)
contains.

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Color

**XYZ(12.9486, 11.5852,
2.9202)**

Conversions

Conversions Part 1

Format	Color
Hex	835620
RGB	131, 86, 32
RGB Percent	51%, 34%, 13%
CMY	0.4863, 0.6627, 0.8745
CMYK	0.00, 0.34, 0.76, 0.49
HSL	33°, 61%, 32%
HSV	33°, 76%, 51%
XYZ	12.9486, 11.5852, 2.9202
YIQ	93.2990, 44.1540, -7.2540

Conversions

Conversions Part 2

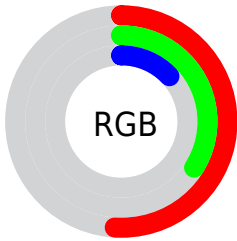
Format	Color
R_YB	115, 131, 32
Decimal	8607264
CIE Lab	40.55, 13.53, 37.63
CIE LCh	41, 39.990, 70.226
Yxy	11.5852, 0.4716, 0.4220
Android (android.graphics.Color)	4286797344 (0xFF835620)
YUV	93.2990, -30.2204, 33.0638
Hunter-Lab	34.0370, 8.3414, 18.7392

Details

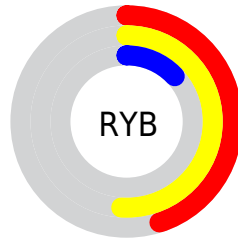
The XYZ color **12.9486, 11.5852, 2.9202** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.3461, 7.2531, 22.4854**, and the grayscale version is **10.5361, 11.0847, 12.0713**.

A 20% lighter version of the original color is **30.7456, 28.7523, 11.5187**, and **3.9348, 3.2056, 0.4114** is the 20% darker color. If you saturate the color by 10%, you get **12.3490, 10.6166, 2.0100**, and if you desaturate by 10%, it is **13.6592, 12.6626, 4.2171**.

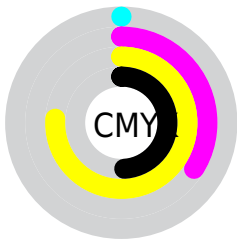
Distribution



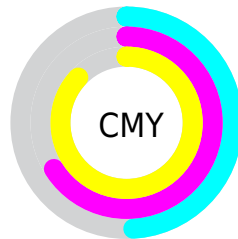
- Red (51%)
- Green (34%)
- Blue (13%)



- Red (45%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (34%)
- Yellow (76%)
- Black (49%)





- Cyan (49%)
- Magenta (66%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9486, 11.5852, 2.9202 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 12.9486, 11.5852, 2.9202 by changing the saturation by 10% instead.


 12.9486, 11.5852,
2.9202


 12.9486, 11.5852,
2.9202


204.2322,
201.6395, 135.3377


 7.4699, 6.4619,
1.0540


 30.8135, 28.7373,
11.4309


 3.8066, 3.1279,
0.0000

 43.9305, 41.5350,
18.9125


 1.5933, 1.1989,
0.0000

 60.3242, 57.6595,
29.1030

 0.3880, 0.0608,
0.0000

 80.3601, 77.4953,
42.4209

 0.0000, 0.0000,
0.0000

 104.4035,
101.4269, 59.2848

 132.8197,

129.8385, 80.1132

165.9742,
163.1146, 105.3246

12.9486, 11.5852,
2.9202

12.9486, 11.5852,
2.9202

12.3490, 10.6166,
2.0100

13.6592, 12.6626,
4.2171

11.8470, 9.7484,
1.4238

14.4883, 13.8518,
5.9400

11.6426, 9.3904,
1.1989

15.4439, 15.1578,
8.1239

16.5326, 16.5848,
10.8000

17.7606, 18.1365,
13.9969

■ 19.1336, 19.8167,
17.7407

■ 20.6571, 21.6286,
22.0559

■ 22.3361, 23.5756,
26.9656

■ 24.1755, 25.6608,
32.4914

Harmonies

Analogous

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



15.6894, 11.5852, 5.0110



12.9486, 11.5852, 2.9202



10.0769, 11.5852, 2.6753

Triad

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



12.9486, 11.5852, 2.9202



6.4925, 11.5852, 15.5755



14.8955, 11.5852, 28.5639

Complementary

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



12.9486, 11.5852, 2.9202



7.3461, 7.2531, 22.4854

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.



12.0019, 11.5852, 34.8850



12.9486, 11.5852, 2.9202



7.3701, 11.5852, 25.5281

Square

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



12.9486, 11.5852, 2.9202



6.6581, 11.5852, 8.0581



9.2777, 11.5852, 33.5841



16.9395, 11.5852, 18.6279

Rectangle

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



12.9486, 11.5852, 2.9202



8.5021, 11.5852, 3.3943



9.2777, 11.5852, 33.5841



13.9713, 11.5852, 31.3405

Sweetspot

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



12.9489, 11.5858, 2.9204



32.2859, 33.0740, 26.3526



11.2589, 6.4113, 7.8896



7.3452, 7.4873, 5.6767



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.



12.9489, 11.5858, 2.9204



21.4259, 17.8267, 2.7778



17.2340, 20.9027, 4.4929



4.8674, 5.0783, 4.9530



11.4631, 9.2488, 1.1810



0.0470, 0.0467, 0.0065

Inverse Universe

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



7.3461, 7.2531, 22.4854



10.8706, 9.7014, 39.7528



5.3167, 3.0344, 21.7781



4.5959, 4.8674, 5.8980



5.6022, 4.7522, 21.7587



0.0266, 0.0307, 0.0778

Previews

White Background



This preview shows how the XYZ color 12.9486, 11.5852, 2.9202 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 12.9486, 11.5852, 2.9202 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 12.9486, 11.5852, 2.9202

Background



This preview shows how black text looks on a background with the XYZ color 12.9486, 11.5852, 2.9202.



This preview shows how white text looks on a background with the XYZ color 12.9486, 11.5852,

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

12.9486, 11.5852, 2.9202

Protanopia

10.5496, 11.6129, 3.2756

Deuteranopia

11.7212, 11.5690, 2.8436



Tritanopia

14.4942, 11.6413, 10.4999

Trichromacy



Original Color

12.9486, 11.5852, 2.9202

Protanomaly

11.3183, 11.4828, 3.1332

Deuteranomaly

12.1319, 11.5288, 2.8822

Tritanomaly

13.7792, 11.5783, 6.8188

Monochromacy



Original Color

12.9486, 11.5852, 2.9202

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.8569, 10.8931, 7.4916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9486, 11.5852, 2.9202 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(131, 86, 32)` looks like.

```
.text, #text, p{  
    color:rgb(131, 86, 32)  
}
```

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(131, 86, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 86, 32) }
```

Border

The CSS property to change the border of an element to XYZ 12.9486, 11.5852, 2.9202 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(131, 86, 32) }
```


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

```
.border{ border-color:rgb(131, 86, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 86, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 86, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 86, 32);  
box-shadow:4px 4px 4px 4px rgb(131, 86,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9486, 11.5852, 2.9202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 86, 32) }
```

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

```
.background{ background-color: rgb(131, 86,  
32) }
```

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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