

Converting Colors

XYZ(12.7290, 11.6438, 2.5552)

Have a look what the booklet for
XYZ(12.7290, 11.6438, 2.5552)
contains.

XYZ(12.6479, 11.5581, 2.5416)	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(12.6479, 11.5581,
2.5416)**

Conversions

Conversions Part 1

Format	Color
Hex	81571A
RGB	129, 87, 26
RGB Percent	51%, 34%, 10%
CMY	0.4941, 0.6588, 0.8980
CMYK	0.00, 0.33, 0.80, 0.49
HSL	36°, 66%, 30%
HSV	36°, 80%, 51%
XYZ	12.6479, 11.5581, 2.5416
YIQ	92.6040, 44.6130, -10.0670

Conversions

Conversions Part 2

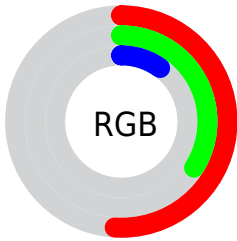
Format	Color
R_{YB}	97, 129, 26
Decimal	8476442
CIE Lab	40.50, 11.71, 40.26
CIE LCh	41, 41.933, 73.781
Yxy	11.5581, 0.4729, 0.4321
Android (android.graphics.Color)	4286666522 (0xFF81571A)
YUV	92.6040, -32.8358, 31.9193
Hunter-Lab	33.9972, 6.9118, 19.3656

Details

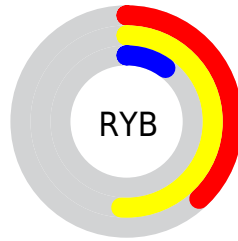
The XYZ color **12.6479, 11.5581, 2.5416** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.4554, 5.9386, 21.5747**, and the grayscale version is **10.3792, 10.9198, 11.8916**.

A 20% lighter version of the original color is **30.1893, 28.7000, 10.4271**, and **3.7296, 3.1518, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **12.1245, 10.6925, 1.8091**, and if you desaturate by 10%, it is **13.2678, 12.5130, 3.6269**.

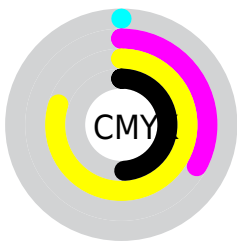
Distribution



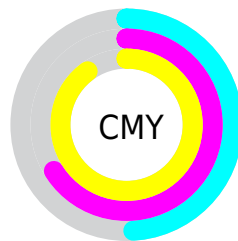
- Red (51%)
- Green (34%)
- Blue (10%)



- Red (38%)
- Yellow (51%)
- Blue (10%)



- Cyan (0%)
- Magenta (33%)
- Yellow (80%)
- Black (49%)



- Cyan (49%)
- Magenta (66%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6479, 11.5581, 2.5416 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 12.6479, 11.5581, 2.5416 by changing the saturation by 10% instead.

■ 12.6479, 11.5581,
2.5416

■ 12.6479, 11.5581,
2.5416

202.3322,
201.4574, 130.2892

■ 7.2619, 6.4435,
0.8621

■ 30.2765, 28.6877,
10.4747

■ 3.6742, 3.1166,
0.0000

■ 43.2497, 41.4715,
17.5688

■ 1.5195, 1.1929,
0.0000

■ 59.4828, 57.5805,
27.3062

■ 0.3391, 0.0559,
0.0000


■ 79.3410, 77.3991,
40.1052


■ 0.0000, 0.0000,
0.0000


■ 103.1896,
101.3117, 56.3845


■ 131.3941,


129.7027, 76.5626

 164.3199,
162.9565, 101.0579


 12.6479, 11.5581,
2.5416

 12.6479, 11.5581,
2.5416


 12.1245, 10.6925,
1.8091


 13.2678, 12.5130,
3.6269


 11.6722, 9.9034,
1.3022

 13.9918, 13.5597,
5.1053

 11.6654, 9.8915,
1.2944

 14.8274, 14.7027,
7.0123

 15.7812, 15.9456,
9.3792

 16.8590, 17.2917,
12.2343

■ 18.0664, 18.7442,
15.6037

■ 19.4085, 20.3058,
19.5116

■ 20.8901, 21.9795,
23.9807

■ 22.5157, 23.7679,
29.0321

Harmonies

Analogous

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



15.6127, 11.5581, 4.3572



12.6479, 11.5581, 2.5416



9.6886, 11.5581, 2.4805

Triad

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



12.6479, 11.5581, 2.5416



6.3449, 11.5581, 16.8664



15.3979, 11.5581, 28.3411

Complementary

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



12.6479, 11.5581, 2.5416



6.4554, 5.9386, 21.5747

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.



12.3935, 11.5581, 35.8844



12.6479, 11.5581, 2.5416



7.3771, 11.5581, 27.5095

Square

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



12.6479, 11.5581, 2.5416



6.3883, 11.5581, 8.5697



9.4758, 11.5581, 35.5258



17.3843, 11.5581, 17.6912

Rectangle

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



12.6479, 11.5581, 2.5416



8.1230, 11.5581, 3.3339



9.4758, 11.5581, 35.5258



14.4523, 11.5581, 31.5000

Sweetspot

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



12.6482, 11.5587, 2.5418



31.3034, 32.3155, 24.9780



10.4942, 5.8346, 6.1899



6.9407, 7.1396, 5.2522



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.



12.6482, 11.5587, 2.5418



21.0423, 17.9587, 2.5506



15.8403, 19.7979, 3.9639



4.5228, 4.7344, 4.5956



11.3781, 9.6527, 1.2635



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.4554, 5.9386, 21.5747



9.5371, 7.5956, 38.1559



5.0110, 2.6740, 21.0207



4.2416, 4.4773, 5.4539



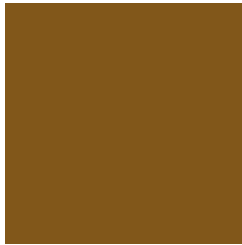
5.0908, 4.0001, 20.7537



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6479, 11.5581, 2.5416 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 12.6479, 11.5581, 2.5416 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 12.6479, 11.5581, 2.5416

Background



This preview shows how black text looks on a background with the XYZ color 12.6479, 11.5581, 2.5416.



This preview shows how white text looks on a background with the XYZ color 12.6479, 11.5581,

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

12.6479, 11.5581, 2.5416

Protanopia

10.5768, 11.6377, 2.7875

Deuteranopia

11.7911, 11.6131, 2.4842



Tritanopia

14.1784, 11.4785, 10.4851

Trichromacy



Original Color

12.6479, 11.5581, 2.5416

Protanomaly

11.3146, 11.6208, 2.6836

Deuteranomaly

12.1438, 11.6676, 2.5317

Tritanomaly

13.4075, 11.3935, 6.4935

Monochromacy



Original Color

12.6479, 11.5581, 2.5416

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.7591, 10.9760, 7.1817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6479, 11.5581, 2.5416 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(129, 87, 26)` looks like.

```
.text, #text, p{  
    color:rgb(129, 87, 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(129, 87, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 87, 26) }
```

Border

The CSS property to change the border of an element to XYZ 12.6479, 11.5581, 2.5416 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(129, 87, 26) }
```


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

```
.border{ border-color:rgb(129, 87, 26) }
```

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

Here you see how a box with a 4 pixel rgb(129, 87, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 87, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 87, 26);  
box-shadow:4px 4px 4px 4px rgb(129, 87,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6479, 11.5581, 2.5416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 87, 26) }
```

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

```
.background{ background-color: rgb(129, 87,  
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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