

Converting Colors

XYZ(12.7448, 11.7819, 4.6659)

Have a look what the booklet for
XYZ(12.7448, 11.7819, 4.6659)
contains.

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Color

**XYZ(12.7523, 11.8107,
4.6252)**

Conversions

Conversions Part 1

Format	Color
Hex	7E5932
RGB	126, 89, 50
RGB Percent	49%, 35%, 20%
CMY	0.5059, 0.6510, 0.8039
CMYK	0.00, 0.29, 0.60, 0.51
HSL	31°, 43%, 35%
HSV	31°, 60%, 49%
XYZ	12.7523, 11.8107, 4.6252
YIQ	95.6170, 34.5710, -4.2850

Conversions

Conversions Part 2

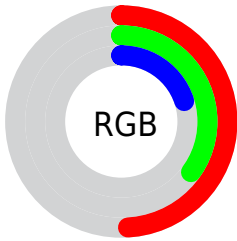
Format	Color
R_{YB}	122, 126, 50
Decimal	8280370
CIE _{Lab}	40.91, 10.65, 28.34
CIE _{LCh}	41, 30.279, 69.404
Yxy	11.8107, 0.4369, 0.4046
Android (android.graphics.Color)	4286470450 (0xFF7E5932)
YUV	95.6170, -22.4892, 26.6459
Hunter-Lab	34.3667, 6.0935, 16.0772

Details

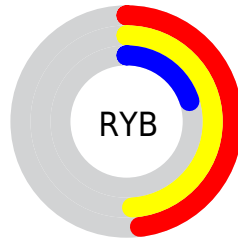
The XYZ color **12.7523, 11.8107, 4.6252** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.4893, 9.0004, 21.0284**, and the grayscale version is **11.0726, 11.6492, 12.6860**.

A 20% lighter version of the original color is **30.4463, 29.1521, 15.3315**, and **3.7098, 3.1924, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **12.0277, 10.7384, 3.2223**, and if you desaturate by 10%, it is **13.5948, 12.9992, 6.4370**.

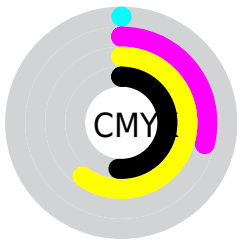
Distribution



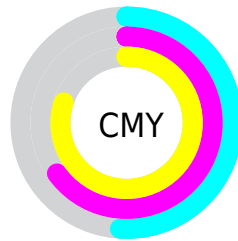
- Red (49%)
- Green (35%)
- Blue (20%)



- Red (48%)
- Yellow (49%)
- Blue (20%)



- Cyan (0%)
- Magenta (29%)
- Yellow (60%)
- Black (51%)





- Cyan (51%)
- Magenta (65%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7523, 11.8107, 4.6252 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 12.7523, 11.8107, 4.6252 by changing the saturation by 10% instead.


 12.7523, 11.8107,
4.6252


 12.7523, 11.8107,
4.6252


202.9939,
203.1480, 154.9398


 7.3340, 6.6149,
1.9742


 30.4632, 29.1499,
15.4278


 3.7200, 3.2225,
0.5394

 43.4865, 42.0620,
24.4164


 1.5450, 1.2489,
0.0000

 59.7755, 58.3151,
36.3547

 0.3561, 0.1011,
0.0000

 79.6956, 78.2935,
51.6612

 0.0000, 0.0000,
0.0000

 103.6121,
102.3816, 70.7544

 131.8905,

130.9638, 94.0529

164.8959,
164.4245, 121.9752

■ 12.7523, 11.8107,
4.6252

■ 12.7523, 11.8107,
4.6252

■ 12.0277, 10.7384,
3.2223

■ 13.5948, 12.9992,
6.4370

■ 11.4129, 9.7759,
2.1939

■ 14.5611, 14.3064,
8.6867

■ 10.8998, 8.9188,
1.5013

■ 15.6574, 15.7369,
11.4017

■ 10.4752, 8.1776,
1.0263

■ 16.8892, 17.2942,
14.6066

■ 18.2619, 18.9821,
18.3245

■ 19.7804, 20.8037,
22.5770

■ 21.4492, 22.7625,
27.3842

■ 23.2728, 24.8614,
32.7656

■ 25.2556, 27.1035,
38.7394

Harmonies

Analogous

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



14.7535, 11.8107, 6.6866



12.7523, 11.8107, 4.6252



10.5601, 11.8107, 4.3279

Triad

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



12.7523, 11.8107, 4.6252



7.6040, 11.8107, 14.9048



14.0764, 11.8107, 24.4255

Complementary

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



12.7523, 11.8107, 4.6252



8.4893, 9.0004, 21.0284

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.



11.9187, 11.8107, 28.5421



12.7523, 11.8107, 4.6252



8.3105, 11.8107, 21.9934

Square

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



12.7523, 11.8107, 4.6252



7.7670, 11.8107, 9.1104



9.8261, 11.8107, 27.5319



15.5836, 11.8107, 17.5184

Rectangle

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



12.7523, 11.8107, 4.6252



9.3061, 11.8107, 5.0271



9.8261, 11.8107, 27.5319



13.3927, 11.8107, 26.2682

Sweetspot

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



12.7526, 11.8113, 4.6254



30.1677, 30.9872, 26.8811



11.5063, 7.4215, 10.0587



6.7338, 6.8890, 5.7729



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.



12.7526, 11.8113, 4.6254



20.7864, 18.3104, 4.9922



16.6407, 19.5875, 5.9215



4.4960, 4.6807, 4.5866



10.7423, 8.3810, 1.0515



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.4893, 9.0004, 21.0284



12.5818, 12.9053, 36.5722



6.2220, 4.4658, 20.2726



4.2681, 4.5303, 5.4628



5.5897, 4.9979, 20.9200



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7523, 11.8107, 4.6252 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 12.7523, 11.8107, 4.6252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

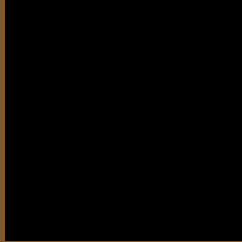
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7523, 11.8107, 4.6252

Background



This preview shows how black text looks on a background with the XYZ color 12.7523, 11.8107, 4.6252.



This preview shows how white text looks on a background with the XYZ color 12.7523, 11.8107,

4.6252.

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

12.7523, 11.8107, 4.6252

Protanopia

10.9807, 11.9322, 5.0926

Deuteranopia

11.9893, 11.7980, 4.5511



Tritanopia

14.1119, 11.7631, 11.4243

Trichromacy



Original Color

12.7523, 11.8107, 4.6252

Protanomaly

11.5620, 11.8307, 4.9230

Deuteranomaly

12.3215, 11.8415, 4.5420

Tritanomaly

13.5344, 11.7666, 8.3953

Monochromacy



Original Color

12.7523, 11.8107, 4.6252

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3890, 11.5190, 9.0203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7523, 11.8107, 4.6252 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(126, 89, 50)` looks like.

```
.text, #text, p{  
    color:rgb(126, 89, 50)  
}
```

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(126, 89, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 89, 50) }
```

Border

The CSS property to change the border of an element to XYZ 12.7523, 11.8107, 4.6252 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(126, 89, 50) }
```


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

```
.border{ border-color:rgb(126, 89, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 89, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 89, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 89, 50);  
box-shadow:4px 4px 4px 4px rgb(126, 89,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7523, 11.8107, 4.6252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 89, 50) }
```

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

```
.background{ background-color: rgb(126, 89,  
50) }
```

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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