

Converting Colors

XYZ(12.3816, 11.6345, 9.5757)

Have a look what the booklet for
XYZ(12.3816, 11.6345, 9.5757)
contains.

XYZ(12.3816, 11.6345, 9.5757)	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(12.3816, 11.6345,
9.5757)**

Conversions

Conversions Part 1

Format	Color
Hex	745A52
RGB	116, 90, 82
RGB Percent	45%, 35%, 32%
CMY	0.5451, 0.6470, 0.6784
CMYK	0.00, 0.22, 0.29, 0.55
HSL	14°, 17%, 39%
HSV	14°, 29%, 45%
XYZ	12.3816, 11.6345, 9.5757
YIQ	96.8620, 18.0640, 3.0240

Conversions

Conversions Part 2

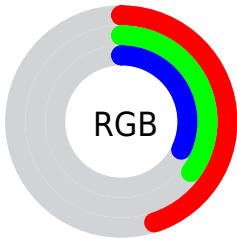
Format	Color
R_{YB}	116, 92, 82
Decimal	7625298
CIE Lab	40.63, 9.37, 8.70
CIE LCh	41, 12.785, 42.856
Yxy	11.6345, 0.3686, 0.3463
Android (android.graphics.Color)	4285815378 (0xFF745A52)
YUV	96.8620, -7.3270, 16.7840
Hunter-Lab	34.1094, 5.1035, 7.2318

Details

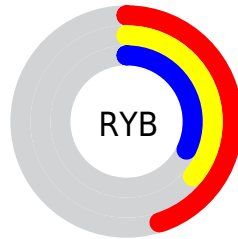
The XYZ color **12.3816, 11.6345, 9.5757** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9945, 13.7795, 18.5506**, and the grayscale version is **11.3429, 11.9337, 12.9957**.

A 20% lighter version of the original color is **29.8370, 28.8299, 25.4649**, and **3.5494, 3.1282, 2.1670** is the 20% darker color. If you saturate the color by 10%, you get **11.2730, 10.0650, 7.2094**, and if you desaturate by 10%, it is **13.6548, 13.4136, 12.3653**.

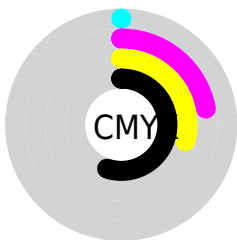
Distribution



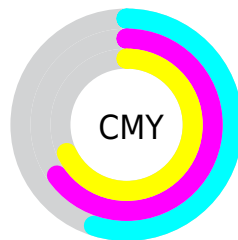
- Red (45%)
- Green (35%)
- Blue (32%)



- Red (45%)
- Yellow (36%)
- Blue (32%)



- Cyan (0%)
- Magenta (22%)
- Yellow (29%)
- Black (55%)



- Cyan (55%)
- Magenta (65%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3816, 11.6345, 9.5757 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 12.3816, 11.6345, 9.5757 by changing the saturation by 10% instead.

■ 12.3816, 11.6345,
9.5757

■ 12.3816, 11.6345,
9.5757

200.6342,
201.9703, 197.9899

■ 7.0782, 6.4953,
5.0166

■ 29.7991, 28.8276,
25.5895

■ 3.5578, 3.1485,
2.1981

■ 42.6439, 41.6504,
37.8814

■ 1.4551, 1.2098,
0.6733

■ 58.7331, 57.8031,
53.5879

■ 0.2950, 0.0697,
0.0000

■ 78.4322, 77.6703,
73.1277

■ 0.0000, 0.0000,
0.0000

■ 102.1065,
101.6361, 96.9193

130.1214,

130.0852, 125.3811

162.8422,
163.4018, 158.9318

■ 12.3816, 11.6345,
9.5757

■ 12.3816, 11.6345,
9.5757

■ 11.2730, 10.0650,
7.2094

■ 13.6548, 13.4136,
12.3653

■ 10.3212, 8.6956,
5.2450

■ 15.0981, 15.4079,
15.5970

■ 9.5190, 7.5186,
3.6601

■ 16.7179, 17.6251,
19.2891

■ 8.8585, 6.5253,
2.4299

■ 18.5200, 20.0717,
23.4587

■ 8.3309, 5.7060,
1.5265

■ 20.5100, 22.7541,
28.1222

■ 7.9262, 5.0503,
0.9179

■ 22.6931, 25.6785,
33.2950

■ 7.6201, 4.5412,
0.4979

■ 25.0744, 28.8507,
38.9919

■ 7.6014, 4.5108,
0.4700

■ 27.6589, 32.2765,
45.2271

■ 30.4511, 35.9613,
52.0143

Harmonies

Analogous

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



12.8403, 11.6345, 11.5927



12.3816, 11.6345, 9.5757



11.5784, 11.6345, 8.4828

Triad

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



12.3816, 11.6345, 9.5757



9.4795, 11.6345, 11.2569



11.4494, 11.6345, 18.1655

Complementary

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



12.3816, 11.6345, 9.5757



11.9945, 13.7795, 18.5506

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.



10.5539, 11.6345, 18.0432



12.3816, 11.6345, 9.5757



9.4492, 11.6345, 13.8078

Square

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



12.3816, 11.6345, 9.5757



9.9180, 11.6345, 9.3589



9.8327, 11.6345, 16.3632



12.2827, 11.6345, 16.6775

Rectangle

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



12.3816, 11.6345, 9.5757



10.9719, 11.6345, 8.3194



9.8327, 11.6345, 16.3632



11.1450, 11.6345, 18.3167

Sweetspot

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



12.3819, 11.6350, 9.5759



26.5617, 27.1147, 27.4666



12.9302, 10.8318, 15.6153



6.2606, 6.3640, 6.3809



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.3819, 11.6350, 9.5759



20.4515, 18.5968, 14.0156



13.9763, 14.8238, 10.1074



3.7475, 3.8280, 3.8836



8.5175, 5.0362, 0.5232



40.9431, 23.4148, 2.3616

Inverse Universe

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



11.9945, 13.7795, 18.5506



19.6525, 22.9948, 32.4471



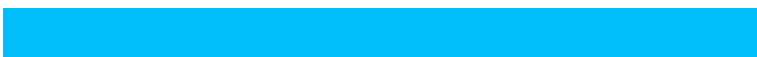
10.3789, 10.5485, 18.0121



3.7138, 4.0162, 4.6697



7.5041, 9.3480, 19.9514



35.8884, 44.1933, 96.9989

Previews

White Background



This preview shows how the XYZ color 12.3816, 11.6345, 9.5757 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 12.3816, 11.6345, 9.5757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

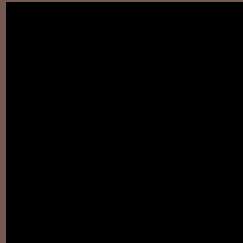
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3816, 11.6345, 9.5757

Background



This preview shows how black text looks on a background with the XYZ color 12.3816, 11.6345, 9.5757.



This preview shows how white text looks on a background with the XYZ color 12.3816, 11.6345,

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

12.3816, 11.6345, 9.5757

Protanopia

11.0781, 11.7309, 10.2747

Deuteranopia

11.7805, 11.5785, 9.5966



Tritanopia

12.8914, 11.5876, 12.3836

Trichromacy



Original Color

12.3816, 11.6345, 9.5757

Protanomaly

11.5468, 11.7097, 10.0391

Deuteranomaly

11.9462, 11.5361, 9.5797

Tritanomaly

12.7540, 11.6649, 11.2522

Monochromacy



Original Color

12.3816, 11.6345, 9.5757

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6434, 11.7212, 11.7740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3816, 11.6345, 9.5757 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(116, 90, 82)` looks like.

```
.text, #text, p{  
    color:rgb(116, 90, 82)  
}
```

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(116, 90, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 90, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.3816, 11.6345, 9.5757 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(116, 90, 82) }
```


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

```
.border{ border-color:rgb(116, 90, 82) }
```

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

Here you see how a box with a 4 pixel rgb(116, 90, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 90, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 90, 82);  
box-shadow:4px 4px 4px 4px rgb(116, 90,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3816, 11.6345, 9.5757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 90, 82) }
```

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

```
.background{ background-color: rgb(116, 90,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor