

Converting Colors

XYZ(12.6112, 10.6477, 9.0823)

Have a look what the booklet for
XYZ(12.6112, 10.6477, 9.0823)
contains.

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Color

**XYZ(12.5960, 10.6899,
9.1841)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5151
RGB	123, 81, 81
RGB Percent	48%, 32%, 32%
CMY	0.5176, 0.6823, 0.6823
CMYK	0.00, 0.34, 0.34, 0.52
HSL	0°, 21%, 40%
HSV	0°, 34%, 48%
XYZ	12.5960, 10.6899, 9.1841
YIQ	93.5580, 25.0320, 8.9040

Conversions

Conversions Part 2

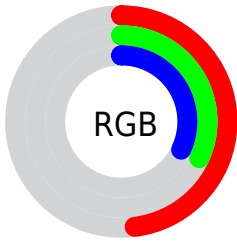
Format	Color
R_{YB}	123, 81, 81
Decimal	8081745
CIE _{Lab}	39.05, 17.62, 7.21
CIE _{LCh}	39, 19.038, 22.248
Yxy	10.6899, 0.3879, 0.3292
Android (android.graphics.Color)	4286271825 (0xFF7B5151)
YUV	93.5580, -6.1911, 25.8206
Hunter-Lab	32.6954, 11.5507, 6.2323

Details

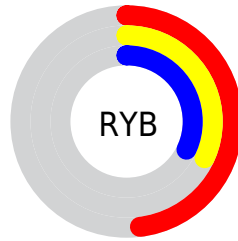
The XYZ color **12.5960, 10.6899, 9.1841** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.0512, 17.3447, 21.3461**, and the grayscale version is **10.5454, 11.0945, 12.0820**.

A 20% lighter version of the original color is **30.2770, 27.1914, 24.7718**, and **3.6373, 2.7730, 2.0938** is the 20% darker color. If you saturate the color by 10%, you get **11.3432, 8.8569, 6.6934**, and if you desaturate by 10%, it is **14.0985, 12.8885, 12.1706**.

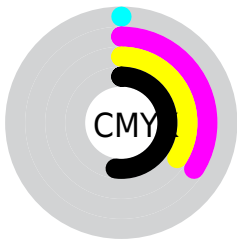
Distribution



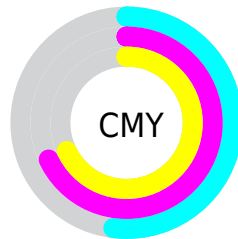
- Red (48%)
- Green (32%)
- Blue (32%)



- Red (48%)
- Yellow (32%)
- Blue (32%)



- Cyan (0%)
- Magenta (34%)
- Yellow (34%)
- Black (52%)



- Cyan (52%)
- Magenta (68%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5960, 10.6899, 9.1841 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 12.5960, 10.6899, 9.1841 by changing the saturation by 10% instead.

12.5960, 10.6899,
9.1841

12.5960, 10.6899,
9.1841

202.0024,
195.5275, 195.0137

7.2260, 5.8587,
4.7630

30.1836, 27.0853,
24.8325

3.6514, 2.7594,
2.0526

43.1319, 39.4183,
36.8969

1.5069, 1.0074,
0.5873

59.3370, 55.0207,
52.3461

0.3305, 0.0000,
0.0000

79.1643, 74.2769,
71.5987

0.0000, 0.0000,
0.0000

102.9791, 97.5713,
95.0732

131.1469,

125.2883, 123.1882

164.0328,
157.8122, 156.3622

■ 12.5960, 10.6899,
9.1841

■ 12.5960, 10.6899,
9.1841

■ 11.3432, 8.8569,
6.6934

■ 14.0985, 12.8885,
12.1706

■ 10.3259, 7.3682,
4.6710

■ 15.8623, 15.4695,
15.6770

■ 9.5295, 6.2028,
3.0878


■ 17.8993, 18.4502,
19.7265


■ 8.9377, 5.3368,
1.9114


■ 20.2204, 21.8467,
24.3409


■ 8.5318, 4.7428,
1.1045


■ 22.8360, 25.6740,
29.5408


 8.2861, 4.3832,
0.6161

 25.7559, 29.9466,
35.3455

 8.1684, 4.2111,
0.3823

 28.9894, 34.6781,
41.7737

 32.5455, 39.8815,
48.8432

 36.4327, 45.5696,
56.5711

Harmonies

Analogous

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



12.7812, 10.6899, 12.6099



12.5960, 10.6899, 9.1841



11.7323, 10.6899, 6.9338

Triad

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



12.5960, 10.6899, 9.1841



8.3470, 10.6899, 7.8566



9.8341, 10.6899, 20.0494

Complementary

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



12.5960, 10.6899, 9.1841



14.0512, 17.3447, 21.3461

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.



8.7356, 10.6899, 18.1015



12.5960, 10.6899, 9.1841



7.9249, 10.6899, 10.7202

Square

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



12.5960, 10.6899, 9.1841



9.2624, 10.6899, 6.2863



8.0610, 10.6899, 14.4976



11.1147, 10.6899, 19.3993

Rectangle

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



12.5960, 10.6899, 9.1841



10.9244, 10.6899, 6.1624



8.0610, 10.6899, 14.4976



9.4329, 10.6899, 19.6647

Sweetspot

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



12.5963, 10.6904, 9.1843



29.7686, 29.6968, 30.7837



14.6860, 11.5260, 20.1896



6.9134, 6.8514, 7.0562



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.



12.5963, 10.6904, 9.1843



20.7563, 16.5092, 12.8676



14.4050, 14.3079, 9.7872



3.9983, 4.0151, 4.1887



8.4502, 4.3564, 0.3955



40.3082, 20.7799, 1.8864

Inverse Universe

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



14.0512, 17.3447, 21.3461



23.7821, 30.3484, 38.1610



11.7200, 12.6822, 20.5691



4.1071, 4.5124, 5.0977



11.0248, 16.1320, 21.9180



52.5891, 76.9508, 104.5510

Previews

White Background



This preview shows how the XYZ color 12.5960, 10.6899, 9.1841 looks on a white background.

Color Contrast Check

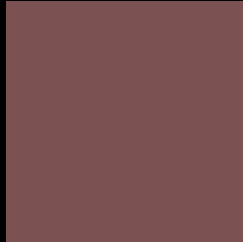
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5960, 10.6899, 9.1841 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 12.5960, 10.6899, 9.1841

Background



This preview shows how black text looks on a background with the XYZ color 12.5960, 10.6899, 9.1841.



This preview shows how white text looks on a background with the XYZ color 12.5960, 10.6899,

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

12.5960, 10.6899, 9.1841

Protanopia

10.2668, 10.7753, 10.5556

Deuteranopia

10.9642, 10.7881, 9.0939



Tritanopia

12.8606, 10.6943, 10.1905

Trichromacy



Original Color

12.5960, 10.6899, 9.1841

Protanomaly

10.9551, 10.6386, 10.0704

Deuteranomaly

11.4578, 10.6795, 9.0469

Tritanomaly

12.7811, 10.6625, 9.7719

Monochromacy



Original Color

12.5960, 10.6899, 9.1841

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.2012, 10.8693, 10.9588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5960, 10.6899, 9.1841 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(123, 81, 81)` looks like.

```
.text, #text, p{  
    color:rgb(123, 81, 81)  
}
```

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(123, 81, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 81, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.5960, 10.6899, 9.1841 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(123, 81, 81) }
```


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

```
.border{ border-color:rgb(123, 81, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 81, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 81, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 81, 81);  
box-shadow:4px 4px 4px 4px rgb(123, 81,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5960, 10.6899, 9.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 81, 81) }
```

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

```
.background{ background-color: rgb(123, 81,  
81) }
```

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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