

Converting Colors

XYZ(12.7297, 12.4112, 9.5292)

Have a look what the booklet for
XYZ(12.7297, 12.4112, 9.5292)
contains.

XYZ(12.7799, 12.4915, 9.5221)	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(12.7799, 12.4915,
9.5221)**

Conversions

Conversions Part 1

Format	Color
Hex	745F51
RGB	116, 95, 81
RGB Percent	45%, 37%, 32%
CMY	0.5451, 0.6274, 0.6823
CMYK	0.00, 0.18, 0.30, 0.55
HSL	24°, 18%, 39%
HSV	24°, 30%, 45%
XYZ	12.7799, 12.4915, 9.5221
YIQ	99.6830, 17.0100, 0.0980

Conversions

Conversions Part 2

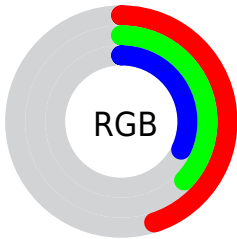
Format	Color
R_{YB}	116, 104, 81
Decimal	7626577
CIE _{Lab}	41.99, 6.21, 11.20
CIE _{LCh}	42, 12.809, 61.000
Yxy	12.4915, 0.3673, 0.3590
Android (android.graphics.Color)	4285816657 (0xFF745F51)
YUV	99.6830, -9.2107, 14.3100
Hunter-Lab	35.3433, 2.6936, 8.7666

Details

The XYZ color **12.7799, 12.4915, 9.5221** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.2970, 12.5127, 18.3429**, and the grayscale version is **12.0524, 12.6800, 13.8085**.

A 20% lighter version of the original color is **30.5168, 30.2975, 25.3587**, and **3.7315, 3.5173, 2.1513** is the 20% darker color. If you saturate the color by 10%, you get **11.7825, 11.1343, 7.2238**, and if you desaturate by 10%, it is **13.9083, 13.9916, 12.2311**.

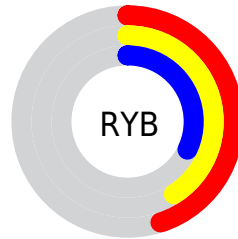
Distribution



Red (45%)

Green (37%)

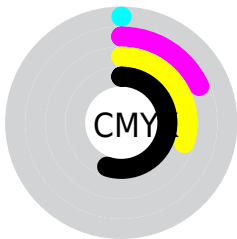
Blue (32%)



Red (45%)

Yellow (41%)

Blue (32%)

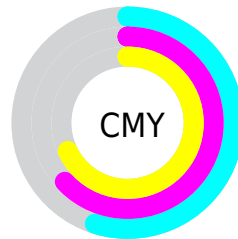


Cyan (0%)

Magenta (18%)

Yellow (30%)

Black (55%)



Cyan (55%)

Magenta (63%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7799, 12.4915, 9.5221 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 12.7799, 12.4915, 9.5221 by changing the saturation by 10% instead.

■ 12.7799, 12.4915,
9.5221

■ 12.7799, 12.4915,
9.5221

203.1685,
207.6325, 197.5856

■ 7.3531, 7.0793,
4.9818

■ 30.5125, 30.3872,
25.4863

■ 3.7322, 3.5118,
2.1781

■ 43.5490, 43.6395,
37.7472

■ 1.5518, 1.4044,
0.6617

■ 59.8528, 60.2739,
53.4189

■ 0.3607, 0.2200,
0.0000

■ 79.7892, 80.6749,
72.9197

■ 0.0000, 0.0000,
0.0000

■ 103.7236,
105.2269, 96.6682

132.0214,

134.3142, 125.0830

165.0479,
168.3213, 158.5826

■ 12.7799, 12.4915,
9.5221

■ 12.7799, 12.4915,
9.5221

■ 11.7825, 11.1343,
7.2238

■ 13.9083, 13.9916,
12.2311

■ 10.9099, 9.9139,
5.3150

■ 15.1717, 15.6371,
15.3689

■ 10.1568, 8.8262,
3.7739

■ 16.5750, 17.4327,
18.9536

■ 9.5170, 7.8661,
2.5759

■ 18.1226, 19.3821,
23.0019

■ 8.9839, 7.0283,
1.6937

■ 19.8188, 21.4891,
27.5297

■ 8.5497, 6.3069,
1.0957

■ 21.6675, 23.7572,
32.5522

■ 8.1955, 5.6990,
0.6681

■ 23.6726, 26.1900,
38.0837

■ 25.8378, 28.7907,
44.1382

■ 28.1668, 31.5626,
50.7290

Harmonies

Analogous

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



13.5072, 12.4915, 11.0824



12.7799, 12.4915, 9.5221



11.8410, 12.4915, 9.0152

Triad

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



12.7799, 12.4915, 9.5221



10.1396, 12.4915, 13.6926



12.8380, 12.4915, 18.5922

Complementary

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



12.7799, 12.4915, 9.5221



11.2970, 12.5127, 18.3429

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.



11.9047, 12.4915, 19.5261



12.7799, 12.4915, 9.5221



10.3759, 12.4915, 16.4752

Square

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



12.7799, 12.4915, 9.5221



10.3468, 12.4915, 11.2209



11.0097, 12.4915, 18.7048



13.5419, 12.4915, 16.2962

Rectangle

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



12.7799, 12.4915, 9.5221



11.2306, 12.4915, 9.2812



11.0097, 12.4915, 18.7048



12.5390, 12.4915, 19.0886

Sweetspot

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



12.7802, 12.4921, 9.5224



26.8912, 27.7737, 27.5764



12.5433, 10.5573, 13.9472



6.3484, 6.5396, 6.4101



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.



12.7802, 12.4921, 9.5224



21.2586, 20.3232, 13.9383



14.5373, 16.0062, 10.1080



3.7931, 3.9191, 3.8988



9.1798, 6.3608, 0.7439



43.9434, 29.4153, 3.3617

Inverse Universe

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



11.2970, 12.5127, 18.3429



18.2171, 20.3620, 32.0146



9.7552, 9.4290, 17.8290



3.6662, 3.9211, 4.6539



5.9487, 6.2371, 19.4329



28.1338, 28.6842, 94.4141

Previews

White Background



This preview shows how the XYZ color 12.7799, 12.4915, 9.5221 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 12.7799,
12.4915, 9.5221 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 12.7799, 12.4915, 9.5221

Background



This preview shows how black text looks on a background with the XYZ color 12.7799, 12.4915, 9.5221.



This preview shows how white text looks on a background with the XYZ color 12.7799, 12.4915,

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

12.7799, 12.4915, 9.5221

Protanopia

11.8489, 12.5515, 9.9818

Deuteranopia

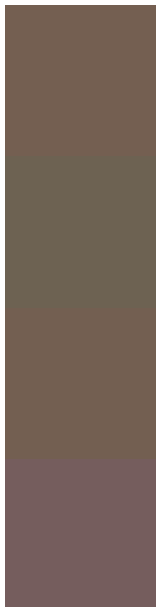
12.6476, 12.4233, 9.5159



Tritanopia

13.5986, 12.4259, 13.7383

Trichromacy



Original Color

12.7799, 12.4915, 9.5221

Protanomaly

12.1973, 12.5958, 9.7710

Deuteranomaly

12.6476, 12.4233, 9.5159

Tritanomaly

13.2263, 12.4009, 12.0524

Monochromacy



Original Color

12.7799, 12.4915, 9.5221

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2873, 12.5898, 12.1384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7799, 12.4915, 9.5221 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, 95, 81)` looks like.

```
.text, #text, p{  
    color:rgb(116, 95, 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(116, 95, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 95, 81) }
```

Border

The CSS property to change the border of an element to XYZ 12.7799, 12.4915, 9.5221 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, 95, 81) }
```


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

```
.border{ border-color:rgb(116, 95, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 95, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 95, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 95, 81);  
box-shadow:4px 4px 4px 4px rgb(116, 95,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7799, 12.4915, 9.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 95, 81) }
```

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

```
.background{ background-color: rgb(116, 95,  
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](#).

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