

Converting Colors

XYZ(12.7059, 12.4175, 8.6592)

Have a look what the booklet for
XYZ(12.7059, 12.4175, 8.6592)
contains.

XYZ(12.7679, 12.5021, 8.7614)	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(12.7679, 12.5021,
8.7614)**

Conversions

Conversions Part 1

Format	Color
Hex	755F4D
RGB	117, 95, 77
RGB Percent	46%, 37%, 30%
CMY	0.5412, 0.6274, 0.6980
CMYK	0.00, 0.19, 0.34, 0.54
HSL	27°, 21%, 38%
HSV	27°, 34%, 46%
XYZ	12.7679, 12.5021, 8.7614
YIQ	99.5260, 18.8900, -0.9340

Conversions

Conversions Part 2

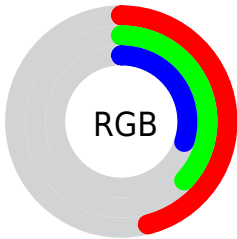
Format	Color
R_{YB}	117, 110, 77
Decimal	7692109
CIE Lab	42.00, 6.06, 13.66
CIE LCh	42, 14.944, 66.082
Yxy	12.5021, 0.3752, 0.3674
Android (android.graphics.Color)	4285882189 (0xFF755F4D)
YUV	99.5260, -11.1053, 15.3247
Hunter-Lab	35.3583, 2.5794, 10.0594

Details

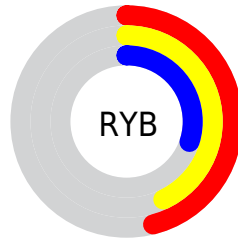
The XYZ color **12.7679, 12.5021, 8.7614** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.7333, 11.7856, 18.5389**, and the grayscale version is **12.0168, 12.6426, 13.7678**.

A 20% lighter version of the original color is **30.4689, 30.3032, 23.9819**, and **3.7567, 3.5354, 1.9232** is the 20% darker color. If you saturate the color by 10%, you get **11.8356, 11.2402, 6.5926**, and if you desaturate by 10%, it is **13.8231, 13.8907, 11.3381**.

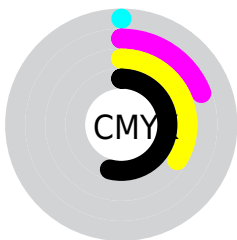
Distribution



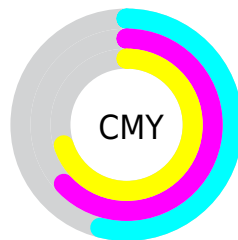
- Red (46%)
- Green (37%)
- Blue (30%)



- Red (46%)
- Yellow (43%)
- Blue (30%)



- Cyan (0%)
- Magenta (19%)
- Yellow (34%)
- Black (54%)



- Cyan (54%)
- Magenta (63%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7679, 12.5021, 8.7614 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 12.7679, 12.5021, 8.7614 by changing the saturation by 10% instead.

■ 12.7679, 12.5021,
8.7614

■ 12.7679, 12.5021,
8.7614

203.0926,
207.7016, 191.7399

■ 7.3448, 7.0866,
4.4912

■ 30.4910, 30.4063,
24.0085

■ 3.7269, 3.5163,
1.8985

■ 43.5218, 43.6639,
35.8224

■ 1.5488, 1.4069,
0.4918

■ 59.8192, 60.3042,
50.9880

■ 0.3587, 0.2218,
0.0000

■ 79.7485, 80.7117,
69.9238

■ 0.0000, 0.0000,
0.0000

■ 103.6752,
105.2708, 93.0484

131.9645,

134.3659, 120.7802

164.9818,
168.3813, 153.5379

■ 12.7679, 12.5021,
8.7614

■ 12.7679, 12.5021,
8.7614

■ 11.8356, 11.2402,
6.5926

■ 13.8231, 13.8907,
11.3381

■ 11.0201, 10.0993,
4.8096

■ 15.0049, 15.4079,
14.3418

■ 10.3161, 9.0759,
3.3893

■ 16.3183, 17.0578,
17.7912

■ 9.7176, 8.1656,
2.3057

■ 17.7676, 18.8439,
21.7037

■ 9.2176, 7.3635,
1.5295

■ 19.3567, 20.7693,
26.0958

■ 8.8069, 6.6637,
1.0173

■ 21.0897, 22.8373,
30.9831

■ 8.5937, 6.2969,
0.7625

■ 22.9701, 25.0507,
36.3806

■ 25.0017, 27.4126,
42.3026

■ 27.1878, 29.9257,
48.7627

Harmonies

Analogous

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



13.6895, 12.5021, 10.3256



12.7679, 12.5021, 8.7614



11.6585, 12.5021, 8.4014

Triad

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



12.7679, 12.5021, 8.7614



9.8874, 12.5021, 14.2695



13.1825, 12.5021, 19.1643

Complementary

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



12.7679, 12.5021, 8.7614



10.7333, 11.7856, 18.5389

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.



12.1101, 12.5021, 20.6274



12.7679, 12.5021, 8.7614



10.2426, 12.5021, 17.5324

Square

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



12.7679, 12.5021, 8.7614



10.0395, 12.5021, 11.2853



11.0397, 12.5021, 19.9880



13.9391, 12.5021, 16.2398

Rectangle

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



12.7679, 12.5021, 8.7614



10.9704, 12.5021, 8.8342



11.0397, 12.5021, 19.9880



12.8446, 12.5021, 19.8625

Sweetspot

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



12.7682, 12.5027, 8.7617



27.7648, 28.7230, 28.0118



12.2423, 9.9907, 13.0877



6.3252, 6.5303, 6.2878



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.



12.7682, 12.5027, 8.7617



21.5315, 20.5904, 12.5727



14.8066, 16.5794, 9.4411



3.8071, 3.9471, 3.9035



9.4531, 6.9074, 0.8350



45.2344, 31.9973, 3.7920

Inverse Universe

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



10.7333, 11.7856, 18.5389



17.2969, 19.0958, 32.9112



9.0676, 8.4543, 17.9837



3.6520, 3.8926, 4.6491



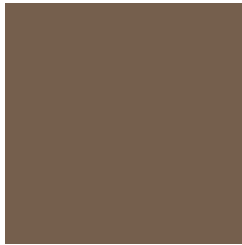
5.5636, 5.4668, 19.3045



26.2469, 24.9104, 93.7851

Previews

White Background



This preview shows how the XYZ color 12.7679, 12.5021, 8.7614 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 12.7679, 12.5021, 8.7614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

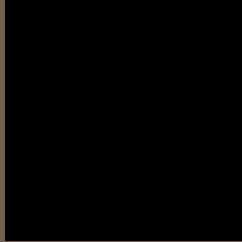
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7679, 12.5021, 8.7614

Background



This preview shows how black text looks on a background with the XYZ color 12.7679, 12.5021, 8.7614.



This preview shows how white text looks on a background with the XYZ color 12.7679, 12.5021,

8.7614.

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

12.7679, 12.5021, 8.7614

Protanopia

11.8170, 12.5524, 9.1972

Deuteranopia

12.6342, 12.4332, 8.7551



Tritanopia

13.6870, 12.4771, 13.4913

Trichromacy



Original Color

12.7679, 12.5021, 8.7614

Protanomaly

12.1732, 12.6004, 8.9983

Deuteranomaly

12.6342, 12.4332, 8.7551

Tritanomaly

13.2739, 12.4356, 11.5982

Monochromacy



Original Color

12.7679, 12.5021, 8.7614

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2433, 12.5722, 11.9066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7679, 12.5021, 8.7614 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(117, 95, 77)` looks like.

```
.text, #text, p{  
    color:rgb(117, 95, 77)  
}
```

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(117, 95, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 95, 77) }
```

Border

The CSS property to change the border of an element to XYZ 12.7679, 12.5021, 8.7614 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(117, 95, 77) }
```


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

```
.border{ border-color:rgb(117, 95, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 95, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 95, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 95, 77);  
box-shadow:4px 4px 4px 4px rgb(117, 95,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7679, 12.5021, 8.7614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 95, 77) }
```

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

```
.background{ background-color: rgb(117, 95,  
77) }
```

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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