

Converting Colors

XYZ(12.9073, 13.0498, 7.7075)

Have a look what the booklet for
XYZ(12.9073, 13.0498, 7.7075)
contains.

XYZ(12.8093, 12.9595, 7.6207)	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(12.8093, 12.9595,
7.6207)**

Conversions

Conversions Part 1

Format	Color
Hex	756246
RGB	117, 98, 70
RGB Percent	46%, 38%, 27%
CMY	0.5412, 0.6157, 0.7255
CMYK	0.00, 0.16, 0.40, 0.54
HSL	36°, 25%, 37%
HSV	36°, 40%, 46%
XYZ	12.8093, 12.9595, 7.6207
YIQ	100.4890, 20.3120, -4.6800

Conversions

Conversions Part 2

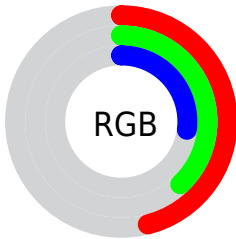
Format	Color
R_{YB}	102, 117, 70
Decimal	7692870
CIE _{Lab}	42.70, 3.32, 18.79
CIE _{LCh}	43, 19.080, 79.971
Yxy	12.9595, 0.3836, 0.3881
Android (android.graphics.Color)	4285882950 (0xFF756246)
YUV	100.4890, -15.0311, 14.4801
Hunter-Lab	35.9993, 0.5152, 12.6484

Details

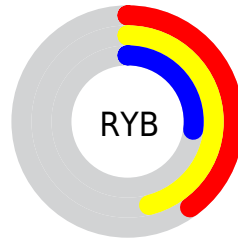
The XYZ color **12.8093, 12.9595, 7.6207** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3089, 9.7309, 18.2172**, and the grayscale version is **12.2722, 12.9113, 14.0604**.

A 20% lighter version of the original color is **30.6548, 31.3728, 21.8926**, and **3.7292, 3.7239, 1.4995** is the 20% darker color. If you saturate the color by 10%, you get **12.0460, 11.9674, 5.7183**, and if you desaturate by 10%, it is **13.6714, 14.0339, 9.9114**.

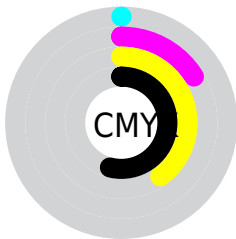
Distribution



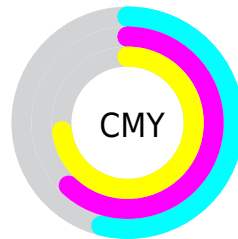
- Red (46%)
- Green (38%)
- Blue (27%)



- Red (40%)
- Yellow (46%)
- Blue (27%)



- Cyan (0%)
- Magenta (16%)
- Yellow (40%)
- Black (54%)





- Cyan (54%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8093, 12.9595, 7.6207 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 12.8093, 12.9595, 7.6207 by changing the saturation by 10% instead.


 12.8093, 12.9595,
7.6207

 12.8093, 12.9595,
7.6207


203.3543,
210.6579, 182.5480


 7.3735, 7.4007,
3.7689


 30.5650, 31.2310,
21.7452


 3.7451, 3.7139,
1.4995

 43.6156, 44.7125,
32.8550


 1.5590, 1.5149,
0.2175

 59.9351, 61.6036,
47.2213

 0.3654, 0.2991,
0.0000

 79.8889, 82.2888,
65.2625

 0.0000, 0.0000,
0.0000

 103.8423,
107.1524, 87.3973

132.1608,

136.5789, 114.0441

165.2097,
170.9526, 145.6215

■ 12.8093, 12.9595,
7.6207

■ 12.8093, 12.9595,
7.6207

■ 12.0460, 11.9674,
5.7183

■ 13.6714, 14.0339,
9.9114

■ 11.3758, 11.0532,
4.1813

■ 14.6356, 15.1912,
12.6102

■ 10.7941, 10.2148,
2.9852

■ 15.7063, 16.4343,
15.7362

■ 10.2951, 9.4491,
2.1025

■ 16.8872, 17.7654,
19.3074

■ 9.8722, 8.7528,
1.5012

■ 18.1819, 19.1866,
23.3405

■ 9.5081, 8.1259,
1.0673

■ 19.5938, 20.6998,
27.8515

■ 21.1261, 22.3069,
32.8555

■ 22.7820, 24.0099,
38.3670

■ 24.5644, 25.8105,
44.3999

Harmonies

Analogous

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



14.1982, 12.9595, 8.8395



12.8093, 12.9595, 7.6207



11.3902, 12.9595, 7.8606

Triad

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



12.8093, 12.9595, 7.6207



9.8798, 12.9595, 17.0156



14.5769, 12.9595, 19.8911

Complementary

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



12.8093, 12.9595, 7.6207



9.3089, 9.7309, 18.2172

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.



13.2941, 12.9595, 23.0189



12.8093, 12.9595, 7.6207



10.6109, 12.9595, 21.1461

Square

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



12.8093, 12.9595, 7.6207



9.7723, 12.9595, 12.7660



11.8387, 12.9595, 23.5185



15.2704, 12.9595, 15.5466

Rectangle

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



12.8093, 12.9595, 7.6207



10.6128, 12.9595, 8.8357



11.8387, 12.9595, 23.5185



14.1958, 12.9595, 21.1530

Sweetspot

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



12.8096, 12.9601, 7.6210



27.6988, 28.9397, 26.9150



11.3541, 8.8935, 10.6985



6.3260, 6.6048, 6.0633



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.



12.8096, 12.9601, 7.6210



21.6909, 21.5895, 10.5284



14.2876, 16.6810, 8.2613



3.8484, 4.0297, 3.9173



10.4605, 8.9223, 1.1708



50.1189, 41.7664, 5.4202

Inverse Universe

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



9.3089, 9.7309, 18.2172



14.5157, 14.9757, 32.2625



8.2188, 7.1174, 17.7702



3.6109, 3.8104, 4.6354



4.6559, 3.6515, 19.0020



21.8941, 16.2047, 92.3342

Previews

White Background



This preview shows how the XYZ color 12.8093, 12.9595, 7.6207 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 12.8093, 12.9595, 7.6207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

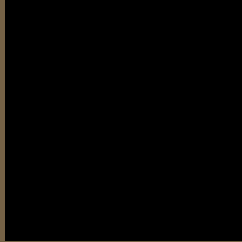
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8093, 12.9595, 7.6207

Background



This preview shows how black text looks on a background with the XYZ color 12.8093, 12.9595, 7.6207.



This preview shows how white text looks on a background with the XYZ color 12.8093, 12.9595,

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

12.8093, 12.9595, 7.6207

Protanopia

12.0977, 13.0135, 7.8355

Deuteranopia

13.1259, 12.9847, 7.6088



Tritanopia

14.0974, 12.9381, 14.0662

Trichromacy



Original Color

12.8093, 12.9595, 7.6207

Protanomaly

12.3766, 13.0140, 7.8209

Deuteranomaly

12.9879, 12.9135, 7.6024

Tritanomaly

13.5454, 12.8445, 11.4382

Monochromacy



Original Color

12.8093, 12.9595, 7.6207

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2089, 12.7091, 11.2608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8093, 12.9595, 7.6207 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, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(117, 98, 70)  
}
```

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, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 98, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.8093, 12.9595, 7.6207 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, 98, 70) }
```


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

```
.border{ border-color:rgb(117, 98, 70) }
```

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

Here you see how a box with a 4 pixel rgb(117, 98, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(117, 98,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8093, 12.9595, 7.6207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 98, 70) }
```

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

```
.background{ background-color: rgb(117, 98,  
70) }
```

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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