

Converting Colors

XYZ(12.7472, 10.1407, 1.7693)

Have a look what the booklet for
XYZ(12.7472, 10.1407, 1.7693)
contains.

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Color

**XYZ(12.7926, 10.1209,
1.7695)**

Conversions

Conversions Part 1

Format	Color
Hex	894910
RGB	137, 73, 16
RGB Percent	54%, 29%, 6%
CMY	0.4627, 0.7137, 0.9372
CMYK	0.00, 0.47, 0.88, 0.46
HSL	28°, 79%, 30%
HSV	28°, 88%, 54%
XYZ	12.7926, 10.1209, 1.7695
YIQ	85.6380, 56.4410, -4.1590

Conversions

Conversions Part 2

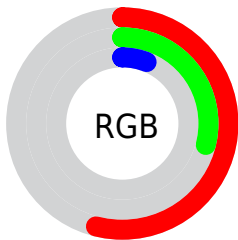
Format	Color
R_{YB}	137, 124, 16
Decimal	8997136
CIE Lab	38.06, 23.23, 42.54
CIE LCh	38, 48.472, 61.368
Yxy	10.1209, 0.5183, 0.4100
Android (android.graphics.Color)	4287187216 (0xFF894910)
YUV	85.6380, -34.3315, 45.0445
Hunter-Lab	31.8134, 16.1040, 18.9716

Details


The XYZ color **12.7926, 10.1209, 1.7695** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **7.5975, 7.6532, 24.7435**, and the grayscale version is **8.8310, 9.2909, 10.1178**.

A 20% lighter version of the original color is **30.4193, 25.9028, 8.3975**, and **3.7853, 2.5332, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **12.2632, 9.1917, 1.1939**, and if you desaturate by 10%, it is **13.4340, 11.1846, 2.6592**.

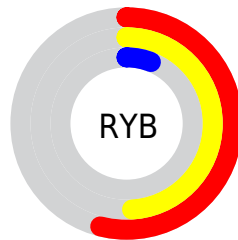
Distribution



 Red (54%)

 Green (29%)

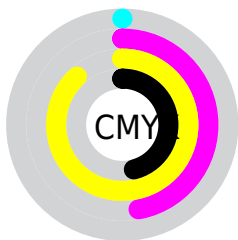
 Blue (6%)




 Red (54%)

 Yellow (49%)

 Blue (6%)

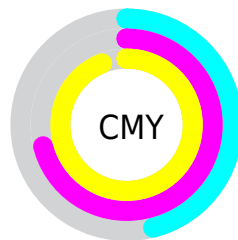



 Cyan (0%)

 Magenta (47%)

 Yellow (88%)

 Black (46%)



 Cyan (46%)

 Magenta (71%)

 Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7926, 10.1209, 1.7695 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 12.7926, 10.1209, 1.7695 by changing the saturation by 10% instead.

■ 12.7926, 10.1209,
1.7695

■ 12.7926, 10.1209,
1.7695

203.2487,
191.5328, 118.6882

■ 7.3619, 5.4792,
0.4077

■ 30.5352, 26.0227,
8.4005

■ 3.7378, 2.5311,
0.0000

■ 43.5778, 38.0515,
14.6070

■ 1.5549, 0.8921,
0.0000

■ 59.8883, 53.3115,
23.2989

■ 0.3627, 0.0000,
0.0000


■ 79.8323, 72.1871,
34.8947


■ 0.0000, 0.0000,
0.0000


■ 103.7749, 95.0626,
49.8130


■ 132.0817,


122.3224, 68.4724

 165.1178,
154.3510, 91.2913


 12.7926, 10.1209,
1.7695


 12.7926, 10.1209,
1.7695


 12.2632, 9.1917,
1.1939

 13.4340, 11.1846,
2.6592

 12.1805, 9.0464,
1.1042

 14.2084, 12.3927,
3.9675

 15.1265, 13.7528,
5.7416

 16.1976, 15.2711,
8.0219

 17.4300, 16.9535,
10.8447

■ 18.8314, 18.8056,
14.2426

■ 20.4089, 20.8326,
18.2460

■ 22.1691, 23.0393,
22.8828

■ 24.1184, 25.4305,
28.1792

Harmonies

Analogous

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



15.7099, 10.1209, 4.2744



12.7926, 10.1209, 1.7695



9.4770, 10.1209, 1.2194

Triad

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



12.7926, 10.1209, 1.7695



4.7796, 10.1209, 11.4356



13.0952, 10.1209, 33.1840

Complementary

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



12.7926, 10.1209, 1.7695



7.5975, 7.6532, 24.7435

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.



9.7637, 10.1209, 38.6936



12.7926, 10.1209, 1.7695



5.3502, 10.1209, 22.6110

Square

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



12.7926, 10.1209, 1.7695



5.2539, 10.1209, 4.6638



7.0201, 10.1209, 34.0474



15.9095, 10.1209, 21.4823

Rectangle

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



12.7926, 10.1209, 1.7695



7.5938, 10.1209, 1.5112



7.0201, 10.1209, 34.0474



11.9770, 10.1209, 36.0377

Sweetspot

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



12.7928, 10.1214, 1.7697



34.1941, 34.2887, 26.6783



11.9695, 6.2761, 8.2738



7.4921, 7.4598, 5.5426



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.7928, 10.1214, 1.7697



21.6525, 15.8792, 1.9238



18.7929, 22.1215, 3.7697



5.2144, 5.4117, 5.3221



11.3580, 8.4505, 1.0325



0.0899, 0.0851, 0.0117

Inverse Universe

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



7.5975, 7.6532, 24.7435



12.1252, 11.3126, 43.9276



4.9798, 2.4179, 23.8709



4.9792, 5.3014, 6.3667



6.4044, 6.0792, 22.8815



0.0572, 0.0697, 0.1569

Previews

White Background



This preview shows how the XYZ color 12.7926, 10.1209, 1.7695 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 12.7926, 10.1209, 1.7695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

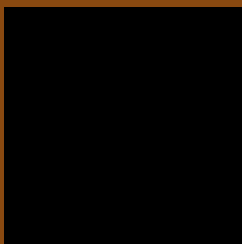
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7926, 10.1209, 1.7695

Background



This preview shows how black text looks on a background with the XYZ color 12.7926, 10.1209, 1.7695.



This preview shows how white text looks on a background with the XYZ color 12.7926, 10.1209,

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

12.7926, 10.1209, 1.7695

Protanopia

9.1584, 10.1332, 2.1827

Deuteranopia

10.2672, 10.2330, 1.4340



Tritanopia

13.9172, 10.1043, 7.5201

Trichromacy



Original Color

12.7926, 10.1209, 1.7695

Protanomaly

10.2273, 9.9651, 2.0005

Deuteranomaly

11.0013, 10.0356, 1.5295

Tritanomaly

13.2912, 10.0315, 4.4846

Monochromacy



Original Color

12.7926, 10.1209, 1.7695

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.6104, 9.2250, 5.6890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7926, 10.1209, 1.7695 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(137, 73, 16)` looks like.

```
.text, #text, p{  
    color:rgb(137, 73, 16)  
}
```

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(137, 73, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 73, 16) }
```

Border

The CSS property to change the border of an element to XYZ 12.7926, 10.1209, 1.7695 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(137, 73, 16) }
```


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

```
.border{ border-color:rgb(137, 73, 16) }
```

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

Here you see how a box with a 4 pixel rgb(137, 73, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 73, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 73, 16);  
box-shadow:4px 4px 4px 4px rgb(137, 73,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7926, 10.1209, 1.7695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 73, 16) }
```

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

```
.background{ background-color: rgb(137, 73,  
16) }
```

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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