

Converting Colors

XYZ(12.9131, 11.8393, 5.3790)

Have a look what the booklet for
XYZ(12.9131, 11.8393, 5.3790)
contains.

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Color

**XYZ(12.8904, 11.8659,
5.3523)**

Conversions

Conversions Part 1

Format	Color
Hex	7E5938
RGB	126, 89, 56
RGB Percent	49%, 35%, 22%
CMY	0.5059, 0.6510, 0.7804
CMYK	0.00, 0.29, 0.56, 0.51
HSL	28°, 38%, 36%
HSV	28°, 56%, 49%
XYZ	12.8904, 11.8659, 5.3523
YIQ	96.3010, 32.6450, -2.4190

Conversions

Conversions Part 2

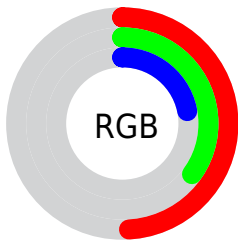
Format	Color
R_{YB}	126, 118, 56
Decimal	8280376
CIE Lab	41.00, 11.19, 25.02
CIE LCh	41, 27.405, 65.900
Yxy	11.8659, 0.4281, 0.3941
Android (android.graphics.Color)	4286470456 (0xFF7E5938)
YUV	96.3010, -19.8684, 26.0460
Hunter-Lab	34.4469, 6.5145, 14.9005

Details

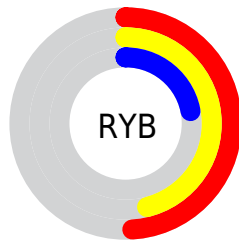
The XYZ color **12.8904, 11.8659, 5.3523** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.3110, 10.1754, 21.2120**, and the grayscale version is **11.2329, 11.8179, 12.8697**.

A 20% lighter version of the original color is **30.7874, 29.2885, 17.1273**, and **3.7543, 3.2101, 0.7696** is the 20% darker color. If you saturate the color by 10%, you get **12.0909, 10.6996, 3.7522**, and if you desaturate by 10%, it is **13.8182, 13.1647, 7.3782**.

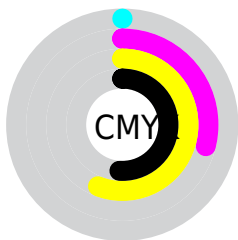
Distribution



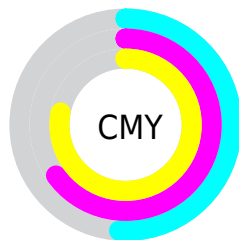
- Red (49%)
- Green (35%)
- Blue (22%)



- Red (49%)
- Yellow (46%)
- Blue (22%)



- Cyan (0%)
- Magenta (29%)
- Yellow (56%)
- Black (51%)



- Cyan (51%)
- Magenta (65%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8904, 11.8659, 5.3523 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 12.8904, 11.8659, 5.3523 by changing the saturation by 10% instead.

■ 12.8904, 11.8659,
5.3523

■ 12.8904, 11.8659,
5.3523

203.8659,
203.5155, 162.2429

■ 7.4296, 6.6524,
2.3931

■ 30.7097, 29.2506,
17.0248

■ 3.7809, 3.2457,
0.7827

■ 43.7990, 42.1907,
26.5751

■ 1.5789, 1.2613,
0.0000

■ 60.1617, 58.4751,
39.1596

■ 0.3786, 0.1109,
0.0000

■ 80.1634, 78.4881,
55.1968

■ 0.0000, 0.0000,
0.0000

■ 104.1693,
102.6143, 75.1051

■ 132.5447,

131.2380, 99.3032

165.6552,
164.7436, 128.2096

■ 12.8904, 11.8659,
5.3523

■ 12.8904, 11.8659,
5.3523

■ 12.0909, 10.6996,
3.7522

■ 13.8182, 13.1647,
7.3782

■ 11.4117, 9.6590,
2.5455

■ 14.8801, 14.5990,
9.8577

■ 10.8447, 8.7393,
1.6962

■ 16.0823, 16.1736,
12.8171

■ 10.3774, 7.9330,
1.1451

■ 17.4307, 17.8928,
16.2802

■ 10.1891, 7.6054,
0.9310

■ 18.9305, 19.7606,
20.2695

■ 20.5868, 21.7807,
24.8059

■ 22.4043, 23.9568,
29.9094

■ 24.3876, 26.2923,
35.5988

■ 26.5411, 28.7908,
41.8920

Harmonies

Analogous

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



14.6196, 11.8659, 7.5623



12.8904, 11.8659, 5.3523



10.8947, 11.8659, 4.8755

Triad

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



12.8904, 11.8659, 5.3523



7.9254, 11.8659, 14.0630



13.6389, 11.8659, 23.8012

Complementary

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



12.8904, 11.8659, 5.3523



9.3110, 10.1754, 21.2120

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.



11.6706, 11.8659, 26.9281



12.8904, 11.8659, 5.3523



8.4891, 11.8659, 20.3500

Square

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



12.8904, 11.8659, 5.3523



8.1722, 11.8659, 8.9901



9.8063, 11.8659, 25.5100



15.0857, 11.8659, 17.8547

Rectangle

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



12.8904, 11.8659, 5.3523



9.7088, 11.8659, 5.4324



9.8063, 11.8659, 25.5100



13.0082, 11.8659, 25.2849

Sweetspot

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



12.8907, 11.8665, 5.3525



30.2249, 30.9183, 27.4652



12.0090, 8.0603, 11.3564



6.7881, 6.9226, 6.0221



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.



12.8907, 11.8665, 5.3525



20.9010, 18.2592, 5.8951



16.4840, 19.0531, 6.5503



4.4819, 4.6525, 4.5819



10.4488, 7.7940, 0.9537



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3110, 10.1754, 21.2120



13.8978, 14.9425, 36.8961



6.9268, 5.4070, 20.4173



4.2822, 4.5585, 5.4675



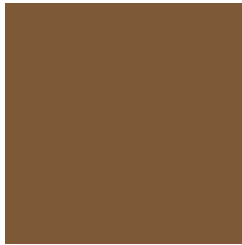
5.8937, 5.6059, 21.0214



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.8904, 11.8659, 5.3523 looks on a white background.

Color Contrast Check

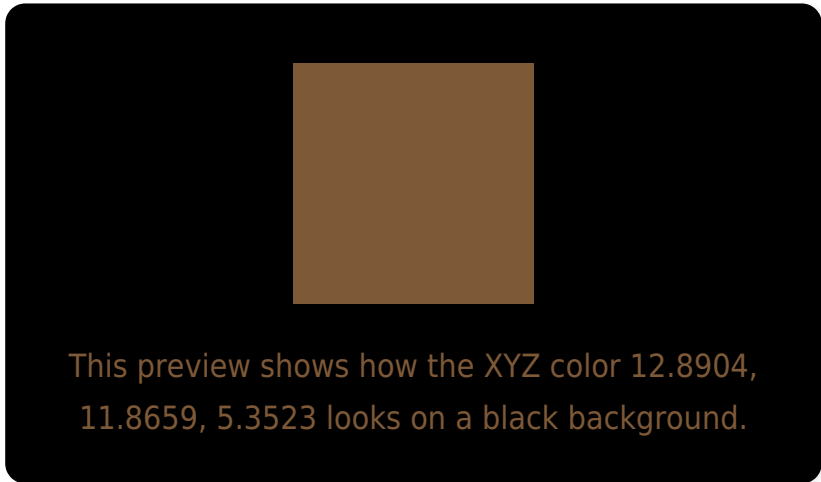
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

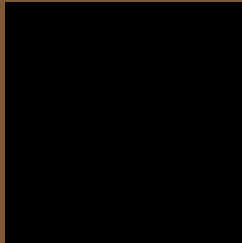
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8904, 11.8659, 5.3523

Background



This preview shows how black text looks on a background with the XYZ color 12.8904, 11.8659, 5.3523.



This preview shows how white text looks on a background with the XYZ color 12.8904, 11.8659,

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

12.8904, 11.8659, 5.3523

Protanopia

11.0080, 11.9293, 5.8601

Deuteranopia

12.0752, 11.9561, 5.2858



Tritanopia

14.1901, 11.9195, 11.4503

Trichromacy



Original Color

12.8904, 11.8659, 5.3523

Protanomaly

11.5765, 11.8216, 5.6746

Deuteranomaly

12.4019, 11.9951, 5.2761

Tritanomaly

13.6050, 11.7948, 8.7673

Monochromacy



Original Color

12.8904, 11.8659, 5.3523

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4630, 11.5486, 9.4095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8904, 11.8659, 5.3523 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(126, 89, 56)` looks like.

```
.text, #text, p{  
    color:rgb(126, 89, 56)  
}
```

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(126, 89, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 89, 56) }
```

Border

The CSS property to change the border of an element to XYZ 12.8904, 11.8659, 5.3523 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(126, 89, 56) }
```


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

```
.border{ border-color:rgb(126, 89, 56) }
```

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

Here you see how a box with a 4 pixel rgb(126, 89, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 89, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 89, 56);  
box-shadow:4px 4px 4px 4px rgb(126, 89,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8904, 11.8659, 5.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 89, 56) }
```

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

```
.background{ background-color: rgb(126, 89,  
56) }
```

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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