

Converting Colors

XYZ(12.9044, 11.9678, 11.3511)

Have a look what the booklet for
XYZ(12.9044, 11.9678, 11.3511)
contains.

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Color

**XYZ(12.9227, 12.0023,
11.3084)**

Conversions

Conversions Part 1

Format	Color
Hex	755B5A
RGB	117, 91, 90
RGB Percent	46%, 36%, 35%
CMY	0.5412, 0.6431, 0.6471
CMYK	0.00, 0.22, 0.23, 0.54
HSL	2°, 13%, 41%
HSV	2°, 23%, 46%
XYZ	12.9227, 12.0023, 11.3084
YIQ	98.6600, 15.8170, 5.2010

Conversions

Conversions Part 2

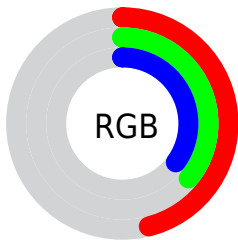
Format	Color
RYB	117, 91, 90
Decimal	7691098
CIELab	41.22, 10.47, 4.64
CIElCh	41, 11.451, 23.927
Yxy	12.0023, 0.3567, 0.3312
Android (android.graphics.Color)	4285881178 (0xFF755B5A)
YUV	98.6600, -4.2694, 16.0842
Hunter-Lab	34.6443, 5.9548, 4.8979

Details

The XYZ color **12.9227, 12.0023, 11.3084** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6726, 15.9483, 19.1875**, and the grayscale version is **11.7822, 12.3958, 13.4990**.

A 20% lighter version of the original color is **30.8361, 29.4893, 28.8777**, and **3.7959, 3.2952, 2.9186** is the 20% darker color. If you saturate the color by 10%, you get **11.5716, 10.0353, 8.5915**, and if you desaturate by 10%, it is **14.4975, 14.2910, 14.4870**.

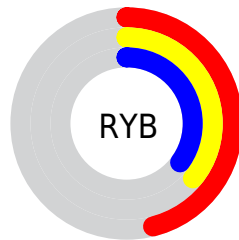
Distribution



Red (46%)

Green (36%)

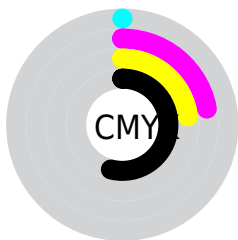
Blue (35%)



Red (46%)

Yellow (36%)

Blue (35%)

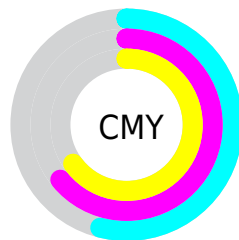


Cyan (0%)

Magenta (22%)

Yellow (23%)

Black (54%)



Cyan (54%)

Magenta (64%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9227, 12.0023, 11.3084 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 12.9227, 12.0023, 11.3084 by changing the saturation by 10% instead.

■ 12.9227, 12.0023,
11.3084

■ 12.9227, 12.0023,
11.3084

204.0693,
204.4205, 210.5841

■ 7.4520, 6.7452,
6.1579

■ 30.7673, 29.4993,
28.8744

■ 3.7952, 3.3033,
2.8710

■ 43.8720, 42.5080,
42.1269

■ 1.5869, 1.2921,
1.0291

■ 60.2519, 58.8694,
58.9172

■ 0.3839, 0.1350,
0.0000

■ 80.2726, 78.9679,
79.6638

■ 0.0000, 0.0000,
0.0000

■ 104.2993,
103.1879, 104.7853

132.6974,

131.9137, 134.7001

165.8323,
165.5298, 169.8269

■ 12.9227, 12.0023,
11.3084

■ 12.9227, 12.0023,
11.3084

■ 11.5716, 10.0353,
8.5915

■ 14.4975, 14.2910,
14.4870

■ 10.4331, 8.3740,
6.3140

■ 16.3043, 16.9131,
18.1465

■ 9.4967, 7.0035,
4.4532

■ 18.3526, 19.8818,
22.3061

■ 8.7506, 5.9072,
2.9838

■ 20.6506, 23.2091,
26.9834

■ 8.1817, 5.0666,
1.8779

■ 23.2065, 26.9065,
32.1956

■ 7.7753, 4.4609,
1.1038

■ 26.0278, 30.9848,
37.9588

■ 7.5138, 4.0661,
0.6214

■ 29.1220, 35.4545,
44.2884

■ 7.3833, 3.8763,
0.3590

■ 32.4960, 40.3257,
51.1993

■ 36.1567, 45.6079,
58.7059

Harmonies

Analogous

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



13.0619, 12.0023, 13.5558



12.9227, 12.0023, 11.3084



12.3692, 12.0023, 9.7247

Triad

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



12.9227, 12.0023, 11.3084



10.1711, 12.0023, 10.5680



11.2406, 12.0023, 18.1358

Complementary

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



12.9227, 12.0023, 11.3084



13.6726, 15.9483, 19.1875

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.



10.4976, 12.0023, 17.1024



12.9227, 12.0023, 11.3084



9.8996, 12.0023, 12.5929

Square

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



12.9227, 12.0023, 11.3084



10.7755, 12.0023, 9.3347



10.0162, 12.0023, 15.0023



12.0645, 12.0023, 17.6848

Rectangle

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



12.9227, 12.0023, 11.3084



11.8534, 12.0023, 9.1654



10.0162, 12.0023, 15.0023



10.9736, 12.0023, 17.9469

Sweetspot

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



12.9230, 12.0029, 11.3086



27.8168, 28.2853, 29.6990



14.1506, 12.3577, 18.1931



6.3662, 6.4608, 6.7690



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.



12.9230, 12.0029, 11.3086



21.7268, 19.4350, 17.4038



14.1724, 14.5016, 11.7251



3.6939, 3.7207, 3.8658



8.1321, 4.2655, 0.3947



39.4892, 20.5070, 1.8769

Inverse Universe

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



13.6726, 15.9483, 19.1875



23.3327, 27.8903, 34.2906



12.2380, 13.0793, 18.7093



3.7722, 4.1331, 4.6892



9.9990, 14.3378, 20.7830



48.5826, 69.5818, 101.2303

Previews

White Background



This preview shows how the XYZ color 12.9227, 12.0023, 11.3084 looks on a white background.

Color Contrast Check

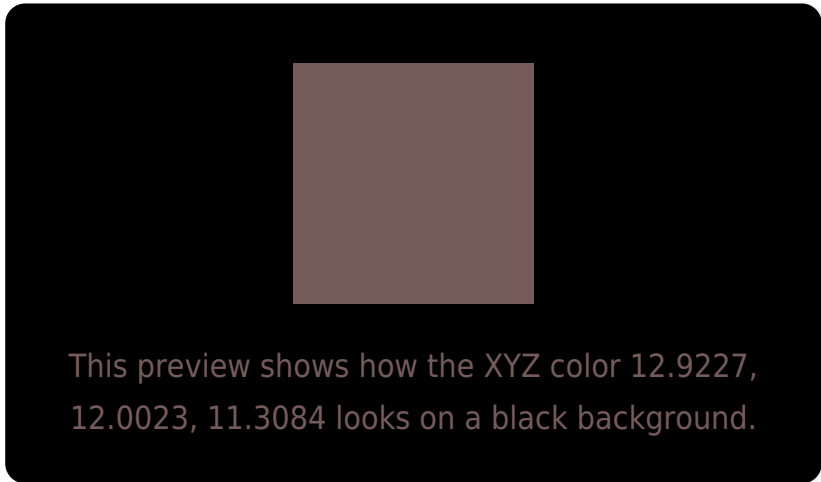
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9227, 12.0023, 11.3084

Background



This preview shows how black text looks on a background with the XYZ color 12.9227, 12.0023, 11.3084.



This preview shows how white text looks on a background with the XYZ color 12.9227, 12.0023,

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

12.9227, 12.0023, 11.3084

Protanopia

11.5060, 12.0490, 12.0752

Deuteranopia

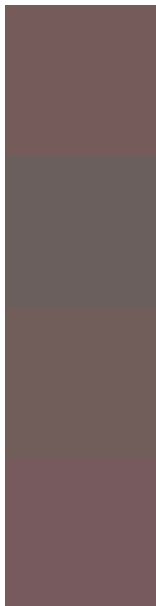
12.2363, 12.0417, 11.1305



Tritanopia

13.2850, 12.0269, 12.9305

Trichromacy



Original Color

12.9227, 12.0023, 11.3084

Protanomaly

11.9678, 12.0213, 11.8148

Deuteranomaly

12.5276, 12.0607, 11.1189

Tritanomaly

13.1478, 11.9720, 12.2075

Monochromacy



Original Color

12.9227, 12.0023, 11.3084

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2380, 12.2744, 12.7905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9227, 12.0023, 11.3084 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, 91, 90)` looks like.

```
.text, #text, p{  
    color:rgb(117, 91, 90)  
}
```

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, 91, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 91, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.9227, 12.0023, 11.3084 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, 91, 90) }
```


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

```
.border{ border-color:rgb(117, 91, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 91, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 91, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 91, 90);  
box-shadow:4px 4px 4px 4px rgb(117, 91,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9227, 12.0023, 11.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 91, 90) }
```

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

```
.background{ background-color: rgb(117, 91,  
90) }
```

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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