

Converting Colors

XYZ(12.2071, 10.6292, 9.7502)

Have a look what the booklet for
XYZ(12.2071, 10.6292, 9.7502)
contains.

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Color

**XYZ(12.2253, 10.5966,
9.7885)**

Conversions

Conversions Part 1

Format	Color
Hex	775254
RGB	119, 82, 84
RGB Percent	47%, 32%, 33%
CMY	0.5333, 0.6784, 0.6706
CMYK	0.00, 0.31, 0.29, 0.53
HSL	357°, 18%, 39%
HSV	357°, 31%, 47%
XYZ	12.2253, 10.5966, 9.7885
YIQ	93.2910, 21.4100, 8.4660

Conversions

Conversions Part 2

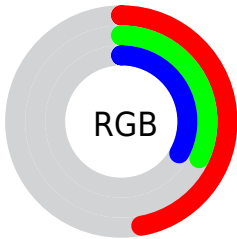
Format	Color
R_YB	119, 82, 84
Decimal	7819860
CIE Lab	38.89, 15.79, 5.05
CIE LCh	39, 16.574, 17.731
Yxy	10.5966, 0.3749, 0.3249
Android (android.graphics.Color)	4286009940 (0xFF775254)
YUV	93.2910, -4.5805, 22.5468
Hunter-Lab	32.5524, 10.0703, 4.9582

Details

The XYZ color **12.2253, 10.5966, 9.7885** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.2879, 16.2722, 19.2710**, and the grayscale version is **10.4796, 11.0254, 12.0066**.

A 20% lighter version of the original color is **29.4982, 26.9666, 25.8407**, and **3.4820, 2.7348, 2.2638** is the 20% darker color. If you saturate the color by 10%, you get **10.9985, 8.7928, 7.3763**, and if you desaturate by 10%, it is **13.6792, 12.7411, 12.6264**.

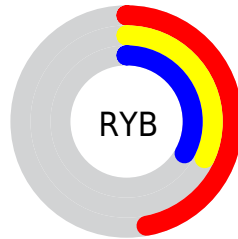
Distribution



Red (47%)

Green (32%)

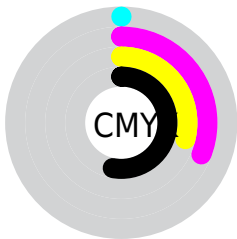
Blue (33%)



Red (47%)

Yellow (32%)

Blue (33%)

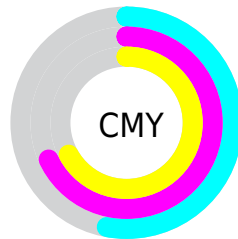


Cyan (0%)

Magenta (31%)

Yellow (29%)

Black (53%)



Cyan (53%)

Magenta (68%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2253, 10.5966, 9.7885 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 12.2253, 10.5966, 9.7885 by changing the saturation by 10% instead.

■ 12.2253, 10.5966,
9.7885

■ 12.2253, 10.5966,
9.7885

199.6308,
194.8787, 199.5855

■ 6.9706, 5.7963,
5.1552

■ 29.5181, 26.9118,
25.9985

■ 3.4899, 2.7216,
2.2783

■ 42.2869, 39.1954,
38.4122

■ 1.4178, 0.9882,
0.7190

■ 58.2911, 54.7422,
54.2566

■ 0.2689, 0.0000,
0.0000

■ 77.8961, 73.9367,
73.9500

■ 0.0000, 0.0000,
0.0000

■ 101.4672, 97.1632,
97.9110

129.3698,

124.8061, 126.5583

161.9692,
157.2498, 160.3103

■ 12.2253, 10.5966,
9.7885

■ 12.2253, 10.5966,
9.7885

■ 10.9985, 8.7928,
7.3763

■ 13.6792, 12.7411,
12.6264

■ 9.9866, 7.3108,
5.3685

■ 15.3700, 15.2409,
15.9084

■ 9.1773, 6.1320,
3.7434

■ 17.3079, 18.1116,
19.6526

■ 8.5571, 5.2355,
2.4764

■ 19.5022, 21.3676,
23.8760

■ 8.1106, 4.5977,
1.5407

■ 21.9620, 25.0224,
28.5948

■ 7.8199, 4.1911,
0.9051

■ 24.6955, 29.0888,
33.8241

■ 7.6430, 3.9361,
0.5414

■ 27.7109, 33.5791,
39.5788

■ 31.0160, 38.5050,
45.8729

■ 34.6182, 43.8779,
52.7199

Harmonies

Analogous

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



12.2848, 10.5966, 12.8745



12.2253, 10.5966, 9.7885



11.5635, 10.5966, 7.6084

Triad

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



12.2253, 10.5966, 9.7885



8.5853, 10.5966, 7.9221



9.6286, 10.5966, 18.5327

Complementary

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



12.2253, 10.5966, 9.7885



13.2879, 16.2722, 19.2710

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.



8.7141, 10.5966, 16.6300



12.2253, 10.5966, 9.7885



8.1418, 10.5966, 10.2971

Square

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



12.2253, 10.5966, 9.7885



9.4408, 10.5966, 6.6737



8.1872, 10.5966, 13.4842



10.7302, 10.5966, 18.3283

Rectangle

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



12.2253, 10.5966, 9.7885



10.8953, 10.5966, 6.7883



8.1872, 10.5966, 13.4842



9.2908, 10.5966, 18.1058

Sweetspot

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



12.2256, 10.5971, 9.7887



28.1352, 28.1978, 29.6718



13.6210, 11.1167, 18.8807



6.5727, 6.5419, 6.8480



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.2256, 10.5971, 9.7887



20.3448, 16.6994, 14.4897



13.5019, 13.2732, 9.8336



3.6912, 3.7038, 3.9008



8.1190, 4.1813, 0.5689



39.4644, 20.3359, 2.2429

Inverse Universe

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



12.2256, 10.5971, 9.7887



20.3448, 16.6994, 14.4897



11.6568, 12.8201, 19.3131



3.6912, 3.7038, 3.9008



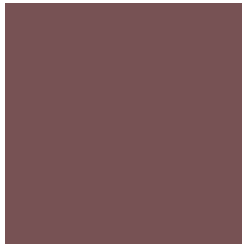
8.1190, 4.1813, 0.5689



39.4644, 20.3359, 2.2429

Previews

White Background



This preview shows how the XYZ color 12.2253, 10.5966, 9.7885 looks on a white background.

Color Contrast Check

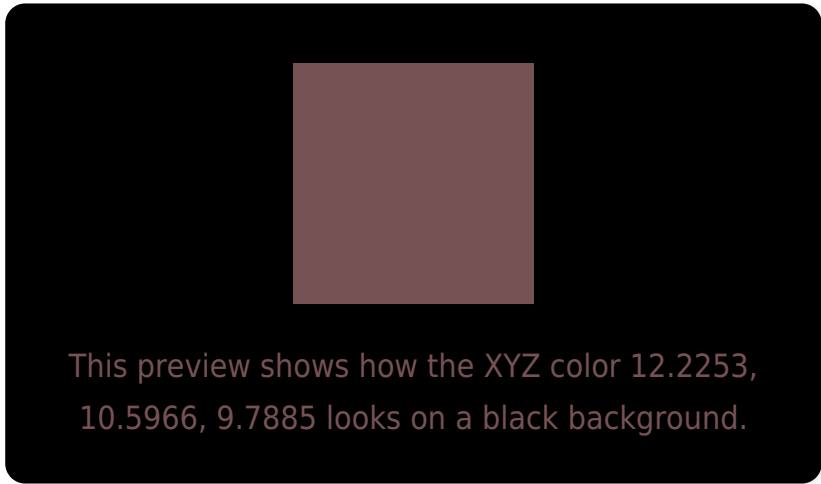
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2253, 10.5966, 9.7885

Background



This preview shows how black text looks on a background with the XYZ color 12.2253, 10.5966, 9.7885.



This preview shows how white text looks on a background with the XYZ color 12.2253, 10.5966,

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

12.2253, 10.5966, 9.7885

Protanopia

10.1604, 10.5831, 10.9584

Deuteranopia

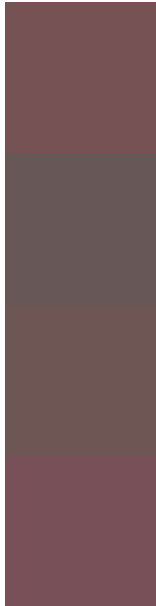
10.8426, 10.7123, 9.6798



Tritanopia

12.3116, 10.5114, 10.6125

Trichromacy



Original Color

12.2253, 10.5966, 9.7885

Protanomaly

10.8035, 10.5511, 10.4840

Deuteranomaly

11.1958, 10.5313, 9.6263

Tritanomaly

12.2705, 10.4949, 10.3958

Monochromacy



Original Color

12.2253, 10.5966, 9.7885

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.8973, 10.7077, 11.1653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2253, 10.5966, 9.7885 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(119, 82, 84)` looks like.

```
.text, #text, p{  
    color:rgb(119, 82, 84)  
}
```

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(119, 82, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 82, 84) }
```

Border

The CSS property to change the border of an element to XYZ 12.2253, 10.5966, 9.7885 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(119, 82, 84) }
```


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

```
.border{ border-color:rgb(119, 82, 84) }
```

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

Here you see how a box with a 4 pixel rgb(119, 82, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 82, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 82, 84);  
box-shadow:4px 4px 4px 4px rgb(119, 82,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2253, 10.5966, 9.7885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 82, 84) }
```

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

```
.background{ background-color: rgb(119, 82,  
84) }
```

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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