

Converting Colors

XYZ(10.1516, 9.6689, 2.8445)

Have a look what the booklet for
XYZ(10.1516, 9.6689, 2.8445)
contains.

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Color

**XYZ(10.1161, 9.6608,
2.8449)**

Conversions

Conversions Part 1

Format	Color
Hex	715222
RGB	113, 82, 34
RGB Percent	44%, 32%, 13%
CMY	0.5569, 0.6784, 0.8667
CMYK	0.00, 0.27, 0.70, 0.56
HSL	36°, 54%, 29%
HSV	36°, 70%, 44%
XYZ	10.1161, 9.6608, 2.8449
YIQ	85.7970, 33.8840, -8.3560

Conversions

Conversions Part 2

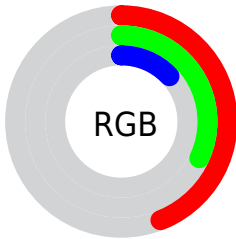
Format	Color
R _Y B	85, 113, 34
Decimal	7426594
CIE Lab	37.23, 7.53, 32.42
CIE LCh	37, 33.285, 76.929
Yxy	9.6608, 0.4472, 0.4271
Android (android.graphics.Color)	4285616674 (0xFF715222)
YUV	85.7970, -25.5359, 23.8570
Hunter-Lab	31.0818, 3.7026, 16.3305

Details

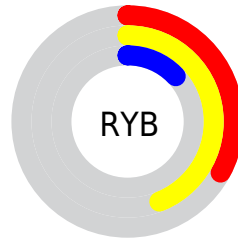
The XYZ color **10.1161, 9.6608, 2.8449** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.5305, 5.3127, 16.3567**, and the grayscale version is **8.8499, 9.3108, 10.1395**.

A 20% lighter version of the original color is **25.5379, 25.0422, 11.2722**, and **2.6482, 2.3473, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **9.6556, 8.9592, 2.0154**, and if you desaturate by 10%, it is **10.6523, 10.4281, 3.9645**.

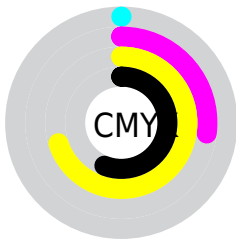
Distribution



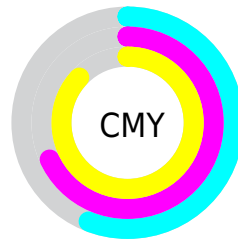
- Red (44%)
- Green (32%)
- Blue (13%)



- Red (33%)
- Yellow (44%)
- Blue (13%)



- Cyan (0%)
- Magenta (27%)
- Yellow (70%)
- Black (56%)



- Cyan (56%)
- Magenta (68%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1161, 9.6608, 2.8449 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 10.1161, 9.6608, 2.8449 by changing the saturation by 10% instead.

■ 10.1161, 9.6608,
2.8449

■ 10.1161, 9.6608,
2.8449

185.5350,
188.2337, 134.3600

■ 5.5389, 5.1746,
1.0160

■ 25.6613, 25.1555,
11.2433

■ 2.6047, 2.3501,
0.0000

■ 37.3601, 36.9329,
18.6498

■ 0.9484, 0.8000,
0.0000

■ 52.1633, 51.9094,
28.7526

■ 0.0000, 0.0000,
0.0000

■ 70.4364, 70.4695,
41.9703

■ 92.5448, 92.9976,
58.7213

■ 118.8538,

119.8781, 79.4242

149.7288,
151.4953, 104.4976

10.1161, 9.6608,
2.8449

10.1161, 9.6608,
2.8449

9.6556, 8.9592,
2.0154

10.6523, 10.4281,
3.9645

9.2643, 8.3187,
1.4463

11.2687, 11.2622,
5.3988

8.9204, 7.7306,
1.0249

11.9701, 12.1662,
7.1705

8.9174, 7.7255,
1.0212

12.7608, 13.1424,
9.2997

13.6446, 14.1928,
11.8054

■ 14.6251, 15.3194,
14.7048

■ 15.7059, 16.5243,
18.0144

■ 16.8901, 17.8093,
21.7494

■ 18.1809, 19.1761,
25.9244

Harmonies

Analogous

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



12.1909, 9.6608, 4.1774



10.1161, 9.6608, 2.8449



8.0670, 9.6608, 2.9291

Triad

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



10.1161, 9.6608, 2.8449



5.8651, 9.6608, 14.2163



12.4222, 9.6608, 20.4312

Complementary

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



10.1161, 9.6608, 2.8449



5.5305, 5.3127, 16.3567

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.



10.3959, 9.6608, 25.7076



10.1161, 9.6608, 2.8449



6.7145, 9.6608, 21.2914

Square

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



10.1161, 9.6608, 2.8449



5.8135, 9.6608, 8.1370



8.3078, 9.6608, 26.0713



13.6514, 9.6608, 13.3256

Rectangle

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



10.1161, 9.6608, 2.8449



6.9843, 9.6608, 3.7659



8.3078, 9.6608, 26.0713



11.7990, 9.6608, 22.5776

Sweetspot

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



10.1163, 9.6613, 2.8451



24.1601, 25.0949, 20.3511



8.3537, 5.0435, 5.6259



5.5101, 5.7124, 4.4850



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.1163, 9.6613, 2.8451



16.8325, 15.3040, 2.9127



12.0313, 14.9350, 3.7621



3.5373, 3.7071, 3.6024



10.0960, 8.7244, 1.1519



49.4352, 41.7456, 5.4522

Inverse Universe

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



5.5305, 5.3127, 16.3567



8.0501, 7.0130, 28.9049



4.5035, 2.8265, 15.9310



3.3150, 3.4953, 4.2542



4.3986, 3.3875, 18.1436



21.1221, 15.2961, 90.1183

Previews

White Background



This preview shows how the XYZ color 10.1161, 9.6608, 2.8449 looks on a white background.

Color Contrast Check

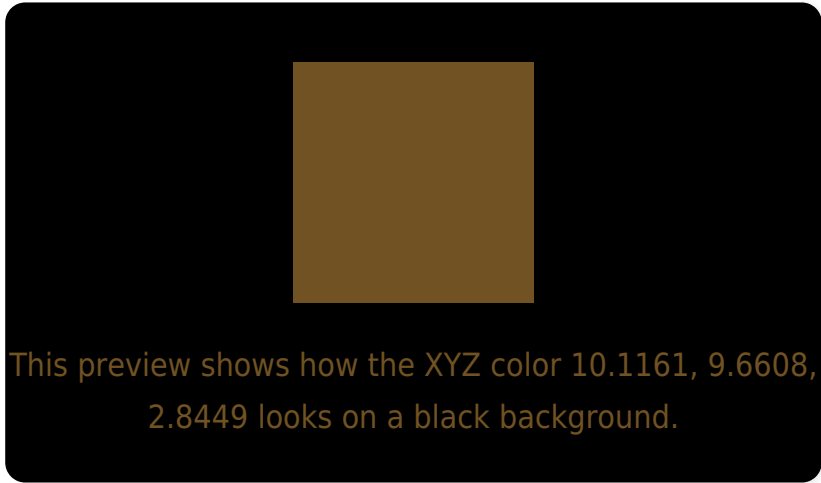
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

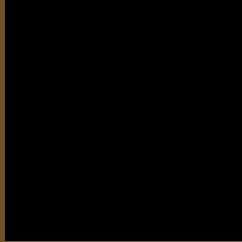
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1161, 9.6608, 2.8449

Background



This preview shows how black text looks on a background with the XYZ color 10.1161, 9.6608, 2.8449.



This preview shows how white text looks on a background with the XYZ color 10.1161, 9.6608,

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

10.1161, 9.6608, 2.8449

Protanopia

8.8452, 9.7035, 3.0758

Deuteranopia

9.8895, 9.7711, 2.8782



Tritanopia

11.4177, 9.6453, 9.4436

Trichromacy



Original Color

10.1161, 9.6608, 2.8449

Protanomaly

9.2247, 9.6605, 2.9686

Deuteranomaly

9.9375, 9.6815, 2.8583

Tritanomaly

10.8203, 9.6185, 6.2873

Monochromacy



Original Color

10.1161, 9.6608, 2.8449

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.0855, 9.3890, 6.6436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1161, 9.6608, 2.8449 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(113, 82, 34)` looks like.

```
.text, #text, p{  
    color:rgb(113, 82, 34)  
}
```

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(113, 82, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 82, 34) }
```

Border

The CSS property to change the border of an element to XYZ 10.1161, 9.6608, 2.8449 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(113, 82, 34) }
```


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

```
.border{ border-color:rgb(113, 82, 34) }
```

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

Here you see how a box with a 4 pixel rgb(113, 82, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 82, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 82, 34);  
box-shadow:4px 4px 4px 4px rgb(113, 82,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1161, 9.6608, 2.8449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 82, 34) }
```

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

```
.background{ background-color: rgb(113, 82,  
34) }
```

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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