

Converting Colors

XYZ(10.9062, 10.6233, 3.2438)

Have a look what the booklet for
XYZ(10.9062, 10.6233, 3.2438)
contains.

XYZ(10.9446, 10.6630, 3.2316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.9446, 10.6630,
3.2316)**

Conversions

Conversions Part 1

Format	Color
Hex	745725
RGB	116, 87, 37
RGB Percent	45%, 34%, 15%
CMY	0.5451, 0.6588, 0.8549
CMYK	0.00, 0.25, 0.68, 0.55
HSL	38°, 52%, 30%
HSV	38°, 68%, 45%
XYZ	10.9446, 10.6630, 3.2316
YIQ	89.9710, 33.3340, -9.4020

Conversions

Conversions Part 2

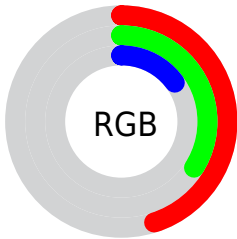
Format	Color
R_{YB}	83, 116, 37
Decimal	7624485
CIE Lab	39.01, 6.15, 32.92
CIE LCh	39, 33.487, 79.412
Yxy	10.6630, 0.4406, 0.4293
Android (android.graphics.Color)	4285814565 (0xFF745725)
YUV	89.9710, -26.1147, 22.8274
Hunter-Lab	32.6542, 2.6822, 16.9904

Details

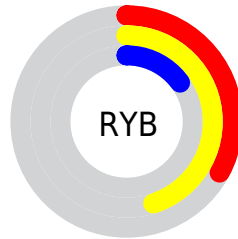
The XYZ color **10.9446, 10.6630, 3.2316** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.8635, 5.5505, 17.2852**, and the grayscale version is **9.7635, 10.2719, 11.1861**.

A 20% lighter version of the original color is **27.3405, 27.1893, 12.1946**, and **3.0079, 2.7797, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **10.4561, 9.9326, 2.3087**, and if you desaturate by 10%, it is **11.5119, 11.4583, 4.4668**.

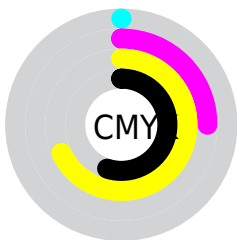
Distribution



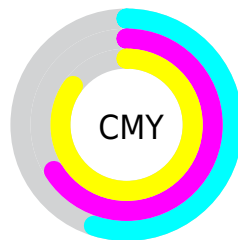
- Red (45%)
- Green (34%)
- Blue (15%)



- Red (33%)
- Yellow (45%)
- Blue (15%)



- Cyan (0%)
- Magenta (25%)
- Yellow (68%)
- Black (55%)



- Cyan (55%)
- Magenta (66%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9446, 10.6630, 3.2316 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 10.9446, 10.6630, 3.2316 by changing the saturation by 10% instead.

■ 10.9446, 10.6630,
3.2316

■ 10.9446, 10.6630,
3.2316

191.2032,
195.3407, 139.2578

■ 6.0966, 5.8407,
1.2141

■ 27.1915, 27.0353,
12.1948

■ 2.9451, 2.7485,
0.0000

■ 39.3212, 39.3541,
19.9775

■ 1.1248, 1.0019,
0.0000

■ 54.6088, 54.9405,
30.5190

■ 0.0457, 0.0000,
0.0000

■ 73.4197, 74.1789,
44.2379

■ 0.0000, 0.0000,
0.0000

■ 96.1192, 97.4538,
61.5527

■ 123.0727,

125.1494, 82.8819

154.6456,
157.6503, 108.6441

10.9446, 10.6630,
3.2316

10.9446, 10.6630,
3.2316

10.4561, 9.9326,
2.3087

11.5119, 11.4583,
4.4668

10.0395, 9.2625,
1.6672

12.1625, 12.3196,
6.0398

9.6787, 8.6462,
1.2220

12.9014, 13.2499,
7.9745

9.6128, 8.5337,
1.1405

13.7331, 14.2513,
10.2921

14.6615, 15.3261,
13.0123

■ 15.6904, 16.4762,
16.1535

■ 16.8233, 17.7036,
19.7328

■ 18.0637, 19.0100,
23.7665

■ 19.4147, 20.3973,
28.2700

Harmonies

Analogous

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



13.1934, 10.6630, 4.5512



10.9446, 10.6630, 3.2316



8.7736, 10.6630, 3.4449

Triad

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



10.9446, 10.6630, 3.2316



6.6003, 10.6630, 16.1960



13.7582, 10.6630, 21.5908

Complementary

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



10.9446, 10.6630, 3.2316



5.8635, 5.5505, 17.2852

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.



11.6301, 10.6630, 27.5012



10.9446, 10.6630, 3.2316



7.5898, 10.6630, 23.6778

Square

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



10.9446, 10.6630, 3.2316



6.4726, 10.6630, 9.4938



9.3661, 10.6630, 28.3805



14.9692, 10.6630, 14.0199

Rectangle

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



10.9446, 10.6630, 3.2316



7.6457, 10.6630, 4.4648



9.3661, 10.6630, 28.3805



13.1130, 10.6630, 23.9399

Sweetspot

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



10.9448, 10.6635, 3.2318



25.3642, 26.4745, 21.6573



8.8857, 5.4449, 5.9376



5.9629, 6.2144, 4.9069



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.



10.9448, 10.6635, 3.2318



17.9281, 16.7436, 3.3288



12.6167, 15.7367, 4.1229



3.8590, 4.0510, 3.9208



10.7699, 9.5411, 1.2740



51.6452, 44.8188, 5.9289

Inverse Universe

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



5.8635, 5.5505, 17.2852



8.3364, 7.1325, 29.9818



4.9505, 3.1701, 16.8739



3.6005, 3.7897, 4.6320



4.4733, 3.2863, 18.9411



21.0430, 14.5027, 92.0505

Previews

White Background



This preview shows how the XYZ color 10.9446, 10.6630, 3.2316 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 10.9446, 10.6630, 3.2316 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 10.9446, 10.6630, 3.2316

Background



This preview shows how black text looks on a background with the XYZ color 10.9446, 10.6630, 3.2316.



This preview shows how white text looks on a background with the XYZ color 10.9446, 10.6630,

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

10.9446, 10.6630, 3.2316

Protanopia

9.7869, 10.6843, 3.4659

Deuteranopia

10.8939, 10.7579, 3.2526



Tritanopia

12.5245, 10.7322, 10.6439

Trichromacy



Original Color

10.9446, 10.6630, 3.2316

Protanomaly

10.1904, 10.6404, 3.3504

Deuteranomaly

10.8939, 10.7579, 3.2526

Tritanomaly

11.8523, 10.6923, 7.0694

Monochromacy



Original Color

10.9446, 10.6630, 3.2316

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.8553, 10.2523, 7.4207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9446, 10.6630, 3.2316 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(116, 87, 37)` looks like.

```
.text, #text, p{  
    color:rgb(116, 87, 37)  
}
```

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(116, 87, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 87, 37) }
```

Border

The CSS property to change the border of an element to XYZ 10.9446, 10.6630, 3.2316 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(116, 87, 37) }
```


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

```
.border{ border-color:rgb(116, 87, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 87, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 87, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 87, 37);  
box-shadow:4px 4px 4px 4px rgb(116, 87,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9446, 10.6630, 3.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 87, 37) }
```

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

```
.background{ background-color: rgb(116, 87,  
37) }
```

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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