

Converting Colors

XYZ(10.2456, 6.4887, 0.5877)

Have a look what the booklet for
XYZ(10.2456, 6.4887, 0.5877)
contains.

XYZ(10.3437, 6.5615, 0.7213) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(10.3437, 6.5615,
0.7213)**

Conversions

Conversions Part 1	
Format	Color
Hex	842A00
RGB	132, 42, 0
RGB Percent	52%, 16%, 0%
CMY	0.4824, 0.8353, 1.0000
CMYK	0.00, 0.68, 1.00, 0.48
HSL	19°, 100%, 26%
HSV	19°, 100%, 52%
XYZ	10.3437, 6.5615, 0.7213
YIQ	64.1220, 67.1220, 6.0180

Conversions

Conversions Part 2

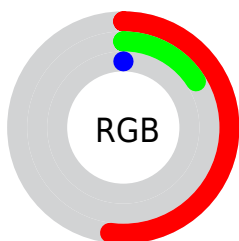
Format	Color
RYB	132, 62, 0
Decimal	8661504
CIELab	30.79, 37.05, 42.76
CIELCh	31, 56.580, 49.096
Yxy	6.5615, 0.5868, 0.3723
Android (android.graphics.Color)	4286851584 (0xFF842A00)
YUV	64.1220, -31.6121, 59.5290
Hunter-Lab	25.6154, 27.2526, 16.2613

Details

The XYZ color **10.3437, 6.5615, 0.7213** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.8204, 8.9771, 23.1502**, and the grayscale version is **4.9309, 5.1877, 5.6494**.

A 20% lighter version of the original color is **26.1198, 19.0825, 5.2124**, and **2.8240, 1.4558, 0.1322** is the 20% darker color. If you saturate the color by 10%, you get **10.3438, 6.5619, 0.7214**, and if you desaturate by 10%, it is **10.7737, 7.3032, 1.2294**.

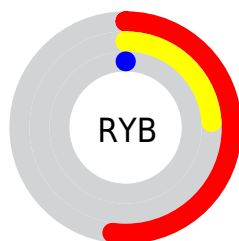
Distribution



Red (52%)

Green (16%)

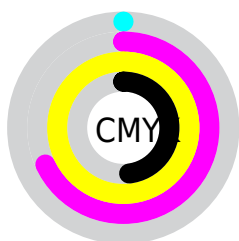
Blue (0%)



Red (52%)

Yellow (24%)

Blue (0%)

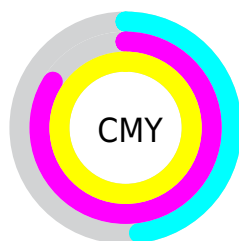


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (48%)



Cyan (48%)


Magenta (84%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 10.3437, 6.5615, 0.7213 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 10.3437, 6.5615, 0.7213 by changing the saturation by 10% instead.

 10.3437, 6.5615,
0.7213


 10.3437, 6.5615,
0.7213


 187.1106,
163.9687, 97.9609


 5.6914, 3.1894,
0.0000


 26.0838, 19.0855,
5.1622


 2.6972, 1.2314,
0.0000

 37.9024, 29.0061,
9.7992

 0.9958, 0.0871,
0.0000

 52.8405, 41.8785,
16.6120


 0.0000, 0.0000,
0.0000


 71.2634, 58.0869,
26.0191

 93.5365, 78.0157,
38.4390


 120.0252,

102.0493, 54.2902

 151.0948,
130.5722, 73.9913


 10.3437, 6.5615,
0.7213


 10.3437, 6.5615,
0.7213


 10.3438, 6.5619,
0.7214

 10.7737, 7.3032,
1.2294

 11.3227, 8.2141,
1.9896

 12.0203, 9.3128,
3.1360

 12.8783, 10.6100,
4.7133

 13.9075, 12.1157,
6.7598

■ 15.1173, 13.8391,
9.3098

■ 16.5167, 15.7887,
12.3942

■ 18.1138, 17.9727,
16.0412

■ 19.9164, 20.3986,
20.2775

Harmonies

Analogous

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



12.6281, 6.5615, 3.2684



10.3437, 6.5615, 0.7213



7.2831, 6.5615, 0.0000

Triad

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



10.3437, 6.5615, 0.7213



2.3717, 6.5615, 4.6613



8.1163, 6.5615, 32.8464

Complementary

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



10.3437, 6.5615, 0.7213



7.8204, 8.9771, 23.1502

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.



5.2953, 6.5615, 34.4074



10.3437, 6.5615, 0.7213



2.4751, 6.5615, 13.2775

Square

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



10.3437, 6.5615, 0.7213



3.0510, 6.5615, 1.1295



3.3922, 6.5615, 25.5945



11.1046, 6.5615, 22.2009

Rectangle

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



10.3437, 6.5615, 0.7213



5.4429, 6.5615, 0.0000



3.3922, 6.5615, 25.5945



7.1037, 6.5615, 34.6428

Sweetspot

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



10.3438, 6.5619, 0.7214



28.9185, 27.5692, 21.4379



11.3696, 5.6471, 10.2083



6.5184, 6.1214, 4.5141



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.3438, 6.5619, 0.7214



18.0984, 11.3140, 1.2299



14.8571, 15.5884, 2.2258



4.7846, 4.9128, 4.9255



10.0199, 6.3625, 0.7000



0.0407, 0.0341, 0.0044

Inverse Universe

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



7.8204, 8.9771, 23.1502



13.6373, 15.5364, 40.7332



4.4956, 2.3275, 22.0419



4.6800, 5.0356, 5.9261



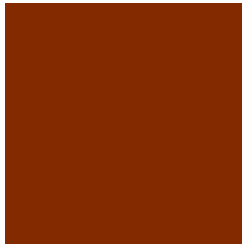
7.5771, 8.7020, 22.4170



0.0328, 0.0433, 0.0799

Previews

White Background



This preview shows how the XYZ color 10.3437, 6.5615, 0.7213 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



This preview shows how the XYZ color 10.3437, 6.5615, 0.7213 looks on a 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 10.3437, 6.5615, 0.7213

Background



This preview shows how black text looks on a background with the XYZ color 10.3437, 6.5615, 0.7213.



This preview shows how white text looks on a background with the XYZ color 10.3437, 6.5615,

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

10.3437, 6.5615, 0.7213

Protanopia

6.0953, 6.7683, 1.4006

Deuteranopia

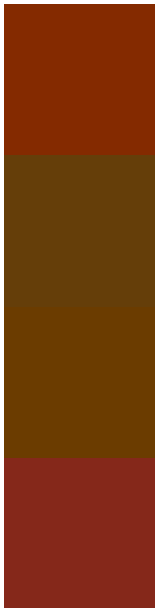
6.7044, 6.7075, 0.9413



Tritanopia

10.7986, 6.5977, 2.8022

Trichromacy



Original Color
10.3437, 6.5615, 0.7213

Protanomaly
7.1388, 6.2317, 1.0850

Deuteranomaly
7.6793, 6.3575, 0.8224

Tritanomaly
10.6181, 6.5787, 1.6875

Monochromacy



Original Color
10.3437, 6.5615, 0.7213

Achromatopsia
4.8732, 5.1269, 5.5832

Achromatomaly
5.9342, 5.1123, 2.7718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3437, 6.5615, 0.7213 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(132, 42, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 42, 0)  
}
```

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(132, 42, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 42, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.3437, 6.5615, 0.7213 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(132, 42, 0) }
```


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

```
.border{ border-color:rgb(132, 42, 0) }
```

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

Here you see how a box with a 4 pixel rgb(132, 42, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 42, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 42, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 42, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.3437, 6.5615, 0.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 42, 0) }
```

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

```
.background{ background-color: rgb(132, 42,  
0) }
```

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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