

Converting Colors

XYZ(8.3912, 5.6578, 2.0020)

Have a look what the booklet for
XYZ(8.3912, 5.6578, 2.0020)
contains.

XYZ(8.3639, 5.6187, 2.0102) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

XYZ(8.3639, 5.6187, 2.0102)

Conversions

Conversions Part 1	
Format	Color
Hex	742C20
RGB	116, 44, 32
RGB Percent	45%, 17%, 13%
CMY	0.5451, 0.8274, 0.8745
CMYK	0.00, 0.62, 0.72, 0.55
HSL	9°, 57%, 29%
HSV	9°, 72%, 45%
XYZ	8.3639, 5.6187, 2.0102
YIQ	64.1600, 46.7640, 11.5320

Conversions

Conversions Part 2

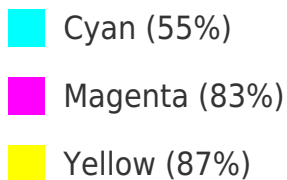
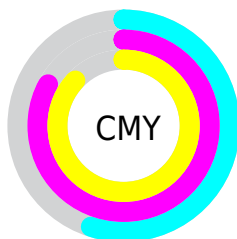
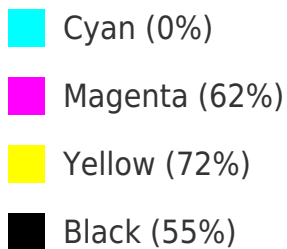
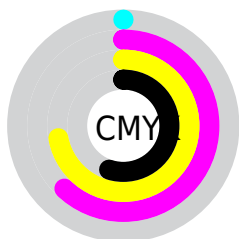
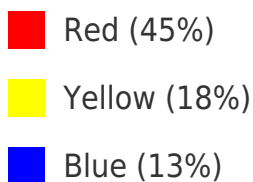
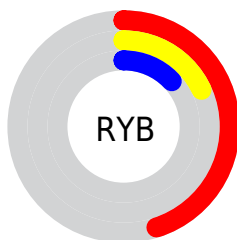
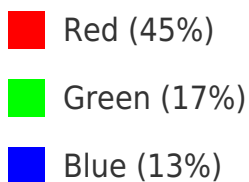
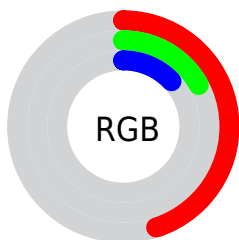
Format	Color
RYB	116, 46, 32
Decimal	7613472
CIELab	28.43, 30.89, 23.74
CIELCh	28, 38.960, 37.547
Yxy	5.6187, 0.5230, 0.3513
Android (android.graphics.Color)	4285803552 (0xFF742C20)
YUV	64.1600, -15.8549, 45.4637
Hunter-Lab	23.7038, 21.5022, 11.5646

Details

The XYZ color **8.3639, 5.6187, 2.0102** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **8.6979, 11.4678, 18.2780**, and the grayscale version is **4.9157, 5.1717, 5.6320**.

A 20% lighter version of the original color is **22.4875, 17.2488, 9.1653**, and **1.9866, 1.0241, 0.0930** is the 20% darker color. If you saturate the color by 10%, you get **7.9061, 4.9126, 1.2122**, and if you desaturate by 10%, it is **8.9663, 6.5253, 3.1306**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 8.3639, 5.6187, 2.0102 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 8.3639, 5.6187, 2.0102 by changing the saturation by 10% instead.


 8.3639, 5.6187,
2.0102


 8.3639, 5.6187,
2.0102


172.8686,
155.6354, 122.5350


 4.3824, 2.6146,
0.5615


 22.3475, 17.1347,
9.0687


 1.9207, 0.9340,
0.0000


 33.0802, 26.4155,
15.5690

 0.5888, 0.0000,
0.0000

 46.7942, 38.5573,
24.6082

 0.0000, 0.0000,
0.0000


 63.8546, 53.9445,
36.6047

 84.6269, 72.9615,
51.9771


 109.4765, 95.9927,


71.1439


 138.7686,
123.4225, 94.5237


 8.3639, 5.6187,
2.0102


 8.3639, 5.6187,
2.0102

 7.9061, 4.9126,
1.2122


 8.9663, 6.5253,
3.1306


 7.5798, 4.3905,
0.7007

 9.7240, 7.6451,
4.6028

 7.3964, 4.1009,
0.4017

 10.6471, 8.9910,
6.4532

 11.7448, 10.5744,
8.7053

 13.0254, 12.4062,
11.3811

■ 14.4969, 14.4964,
14.5008

■ 16.1668, 16.8545,
18.0832

■ 18.0419, 19.4896,
22.1463

■ 20.1290, 22.4102,
26.7068

Harmonies

Analogous

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



9.2671, 5.6187, 4.9719



8.3639, 5.6187, 2.0102



6.6845, 5.6187, 0.9095

Triad

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



8.3639, 5.6187, 2.0102



2.8590, 5.6187, 3.2003



5.7800, 5.6187, 20.8216

Complementary

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



8.3639, 5.6187, 2.0102



8.6979, 11.4678, 18.2780

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.



4.1898, 5.6187, 19.4354



8.3639, 5.6187, 2.0102



2.7171, 5.6187, 7.4275

Square

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



8.3639, 5.6187, 2.0102



3.5902, 5.6187, 1.3001



3.1506, 5.6187, 13.7518



7.5831, 5.6187, 16.9046

Rectangle

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



8.3639, 5.6187, 2.0102



5.4811, 5.6187, 0.7055



3.1506, 5.6187, 13.7518



5.2021, 5.6187, 20.9856

Sweetspot

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



8.3640, 5.6190, 2.0103



22.8617, 21.7584, 19.9329



10.2585, 5.7619, 13.8822



5.3365, 5.0232, 4.5084



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.



8.3640, 5.6190, 2.0103



13.4846, 7.9789, 1.4708



10.7274, 10.3458, 2.7981



3.7223, 3.7776, 3.8753



8.2910, 4.5832, 0.4477



40.0107, 21.5500, 2.0508

Inverse Universe

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



8.6979, 11.4678, 18.2780



14.0376, 18.7940, 31.9323



5.5145, 5.1010, 17.2169



3.7409, 4.0704, 4.6787



8.5799, 11.4995, 20.3100



41.3336, 55.0837, 98.8140

Previews

White Background



This preview shows how the XYZ color 8.3639, 5.6187, 2.0102 looks on a white background.

Color Contrast Check

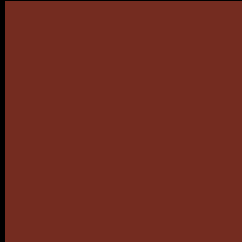
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.3639, 5.6187, 2.0102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

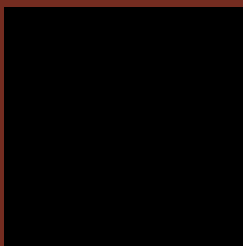
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.3639, 5.6187, 2.0102

Background



This preview shows how black text looks on a background with the XYZ color 8.3639, 5.6187, 2.0102.

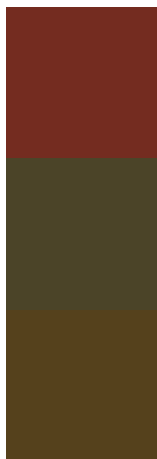


This preview shows how white text looks on a background with the XYZ color 8.3639, 5.6187, 2.0102.

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

8.3639, 5.6187, 2.0102

Protanopia

5.3518, 5.7833, 2.8417

Deuteranopia

5.8462, 5.7957, 1.9092



Tritanopia

8.6377, 5.6273, 3.1135

Trichromacy



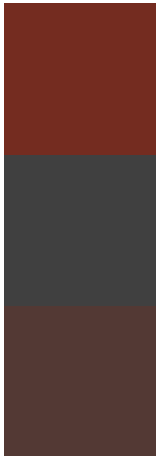
Original Color
8.3639, 5.6187, 2.0102

Protanomaly
6.1143, 5.4352, 2.4771

Deuteranomaly
6.5088, 5.5018, 1.8813

Tritanomaly
8.5830, 5.6629, 2.6482

Monochromacy



Original Color
8.3639, 5.6187, 2.0102

Achromatopsia
4.8732, 5.1269, 5.5832

Achromatomaly
5.6502, 5.0132, 3.9187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3639, 5.6187, 2.0102 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, 44, 32)` looks like.

```
.text, #text, p{  
    color:rgb(116, 44, 32)  
}
```

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, 44, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 44, 32) }
```

Border

The CSS property to change the border of an element to XYZ 8.3639, 5.6187, 2.0102 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, 44, 32) }
```

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

```
.border{ border-color:rgb(116, 44, 32) }
```

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

Here you see how a box with a 4 pixel rgb(116, 44, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 44, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 44, 32);  
box-shadow:4px 4px 4px 4px rgb(116, 44,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 8.3639, 5.6187, 2.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 44, 32) }
```

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

```
.background{ background-color: rgb(116, 44,  
32) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor