

Converting Colors

XYZ(13.2321, 7.9950, 6.5916)

Have a look what the booklet for
XYZ(13.2321, 7.9950, 6.5916)
contains.

XYZ(13.2971, 8.0096, 6.6395)	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(13.2971, 8.0096,
6.6395)**

Conversions

Conversions Part 1

Format	Color
Hex	8F2B46
RGB	143, 43, 70
RGB Percent	56%, 17%, 27%
CMY	0.4392, 0.8313, 0.7255
CMYK	0.00, 0.70, 0.51, 0.44
HSL	344°, 54%, 36%
HSV	344°, 70%, 56%
XYZ	13.2971, 8.0096, 6.6395
YIQ	75.9780, 50.9330, 29.5970

Conversions

Conversions Part 2

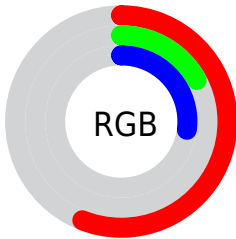
Format	Color
R_{YB}	143, 43, 70
Decimal	9382726
CIE _{Lab}	34.00, 44.03, 7.49
CIE _{LCh}	34, 44.666, 9.655
Yxy	8.0096, 0.4758, 0.2866
Android (android.graphics.Color)	4287572806 (0xFF8F2B46)
YUV	75.9780, -2.9472, 58.7783
Hunter-Lab	28.3012, 34.3396, 5.9014

Details

The XYZ color **13.2971, 8.0096, 6.6395** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **13.9717, 21.4198, 19.9229**, and the grayscale version is **6.8646, 7.2221, 7.8649**.

A 20% lighter version of the original color is **31.5403, 22.0913, 19.7412**, and **4.1283, 2.1054, 1.2257** is the 20% darker color. If you saturate the color by 10%, you get **12.5639, 7.0257, 4.9082**, and if you desaturate by 10%, it is **14.2703, 9.3820, 8.7337**.

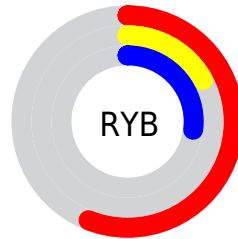
Distribution



Red (56%)

Green (17%)

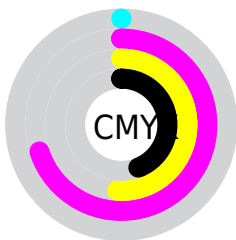
Blue (27%)



Red (56%)

Yellow (17%)

Blue (27%)

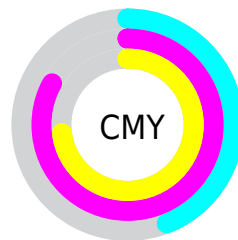


Cyan (0%)

Magenta (70%)

Yellow (51%)

Black (44%)



Cyan (44%)


Magenta (83%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2971, 8.0096, 6.6395 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 13.2971, 8.0096, 6.6395 by changing the saturation by 10% instead.


 13.2971, 8.0096,
6.6395


 13.2971, 8.0096,
6.6395


206.4124,
175.8073, 174.1494


 7.7119, 4.1011,
3.1627


 31.4333, 21.9773,
19.7446


 3.9614, 1.7303,
1.1783

 44.7150, 32.8052,
30.2099


 1.6803, 0.4431,
0.0000

 61.2928, 46.7084,
43.8419

 0.4439, 0.0000,
0.0000

 81.5322, 64.0713,
61.0590

 0.0000, 0.0000,
0.0000

 105.7985, 85.2782,
82.2797

 134.4571,

110.7136, 107.9226

167.8733,
140.7618, 138.4064

■ 13.2971, 8.0096,
6.6395

■ 13.2971, 8.0096,
6.6395

■ 12.5639, 7.0257,
4.9082

■ 14.2703, 9.3820,
8.7337

■ 12.0472, 6.3875,
3.5171

■ 15.5028, 11.1769,
11.2105

■ 11.6898, 5.9863,
2.4312

■ 17.0126, 13.4261,
14.0889

■ 11.6874, 5.9835,
2.4242

■ 18.8159, 16.1581,
17.3860

■ 20.9274, 19.3989,
21.1182

■ 23.3611, 23.1726,
25.3009

■ 26.1299, 27.5020,
29.9486

■ 29.2461, 32.4083,
35.0754

■ 32.7213, 37.9118,
40.6946

Harmonies

Analogous

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



12.9688, 8.0096, 14.3337



13.2971, 8.0096, 6.6395



11.8692, 8.0096, 2.6156

Triad

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



13.2971, 8.0096, 6.6395



4.9743, 8.0096, 1.8943



6.0831, 8.0096, 28.6043

Complementary

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



13.2971, 8.0096, 6.6395



13.9717, 21.4198, 19.9229

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.



4.5194, 8.0096, 20.5468



13.2971, 8.0096, 6.6395



3.9816, 8.0096, 4.8063

Square

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



13.2971, 8.0096, 6.6395



6.8463, 8.0096, 1.0213



3.8352, 8.0096, 11.1978



8.4346, 8.0096, 30.0716

Rectangle

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



13.2971, 8.0096, 6.6395



10.2631, 8.0096, 1.4739



3.8352, 8.0096, 11.1978



5.4633, 8.0096, 26.4291

Sweetspot

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



13.2973, 8.0100, 6.6396



36.8671, 33.7988, 36.7534



12.8487, 7.3338, 26.7250



8.2344, 7.4122, 8.0420



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.2973, 8.0100, 6.6396



21.9146, 11.8434, 7.2612



13.6354, 9.7571, 3.4507



5.4650, 5.4465, 5.9465



10.3417, 5.2937, 2.1849



0.1071, 0.0539, 0.0641

Inverse Universe

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



13.2973, 8.0100, 6.6396



21.9146, 11.8434, 7.2612



12.8326, 16.2531, 28.4475



5.4650, 5.4465, 5.9465



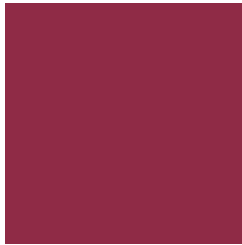
10.3417, 5.2937, 2.1849



0.1071, 0.0539, 0.0641

Previews

White Background



This preview shows how the XYZ color 13.2971, 8.0096, 6.6395 looks on a white background.

Color Contrast Check

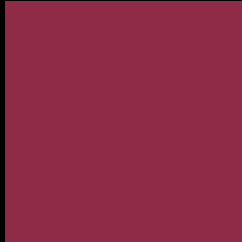
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2971, 8.0096, 6.6395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

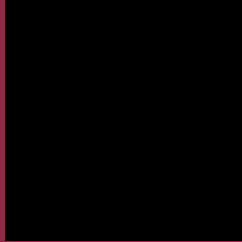
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2971, 8.0096, 6.6395

Background



This preview shows how black text looks on a background with the XYZ color 13.2971, 8.0096, 6.6395.



This preview shows how white text looks on a background with the XYZ color 13.2971, 8.0096,

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

13.2971, 8.0096, 6.6395

Protanopia

8.0962, 8.3285, 10.8537

Deuteranopia

8.2946, 8.2101, 6.1486



Tritanopia

12.7476, 8.0141, 3.8926

Trichromacy



Original Color

13.2971, 8.0096, 6.6395

Protanomaly

9.1620, 7.5224, 9.1527

Deuteranomaly

9.5855, 7.6306, 6.2778

Tritanomaly

12.8708, 8.0002, 4.7367

Monochromacy



Original Color

13.2971, 8.0096, 6.6395

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.3250, 6.8705, 7.3659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2971, 8.0096, 6.6395 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(143, 43, 70)` looks like.

```
.text, #text, p{  
    color:rgb(143, 43, 70)  
}
```

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(143, 43, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 43, 70) }
```

Border

The CSS property to change the border of an element to XYZ 13.2971, 8.0096, 6.6395 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(143, 43, 70) }
```


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

```
.border{ border-color:rgb(143, 43, 70) }
```

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

Here you see how a box with a 4 pixel rgb(143, 43, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 43, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 43, 70);  
box-shadow:4px 4px 4px 4px rgb(143, 43,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2971, 8.0096, 6.6395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 43, 70) }
```

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

```
.background{ background-color: rgb(143, 43,  
70) }
```

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