

Converting Colors

XYZ(13.1851, 8.3588, 11.3332)

Have a look what the booklet for
XYZ(13.1851, 8.3588, 11.3332)
contains.

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Color

**XYZ(13.1954, 8.3972,
11.2813)**

Conversions

Conversions Part 1

Format	Color
Hex	87345D
RGB	135, 52, 93
RGB Percent	53%, 20%, 36%
CMY	0.4706, 0.7961, 0.6353
CMYK	0.00, 0.61, 0.31, 0.47
HSL	330°, 44%, 37%
HSV	330°, 61%, 53%
XYZ	13.1954, 8.3972, 11.2813
YIQ	81.4910, 36.3070, 30.3470

Conversions

Conversions Part 2

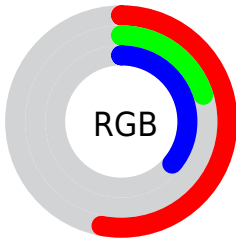
Format	Color
R_{YB}	135, 52, 93
Decimal	8860765
CIE Lab	34.80, 39.95, -6.35
CIE LCh	35, 40.450, 350.961
Yxy	8.3972, 0.4014, 0.2554
Android (android.graphics.Color)	4287050845 (0xFF87345D)
YUV	81.4910, 5.6739, 46.9274
Hunter-Lab	28.9779, 30.5705, -2.7974

Details

The XYZ color **13.1954, 8.3972, 11.2813** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.1009, 18.8663, 13.5945**, and the grayscale version is **7.9028, 8.3144, 9.0543**.

A 20% lighter version of the original color is **31.2940, 22.7600, 28.7303**, and **3.9928, 1.9991, 2.8647** is the 20% darker color. If you saturate the color by 10%, you get **12.3875, 7.2442, 9.5852**, and if you desaturate by 10%, it is **14.2032, 9.9066, 13.1776**.

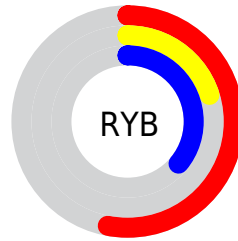
Distribution



Red (53%)

Green (20%)

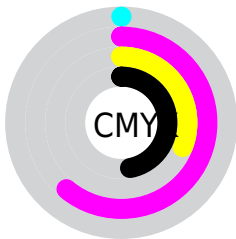
Blue (36%)



Red (53%)

Yellow (20%)

Blue (36%)

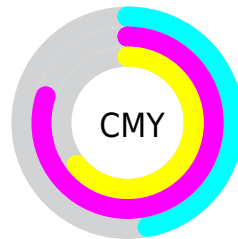


Cyan (0%)

Magenta (61%)

Yellow (31%)

Black (47%)



Cyan (47%)


Magenta (80%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1954, 8.3972, 11.2813 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 13.1954, 8.3972, 11.2813 by changing the saturation by 10% instead.


 13.1954, 8.3972,
11.2813


 13.1954, 8.3972,
11.2813


205.7786,
178.8151, 210.3936

 7.6412, 4.3501,
6.1398


 31.2527, 22.7335,
28.8237


 3.9161, 1.8713,
2.8601

 44.4865, 33.7916,
42.0618

 1.6548, 0.5310,
1.0237

 61.0109, 47.9554,
58.8358

 0.4277, 0.0000,
0.0000

 81.1912, 65.6094,
79.5642

 0.0000, 0.0000,
0.0000

 105.3927, 87.1380,
104.6657

 133.9809,

112.9255, 134.5587

167.3211,
143.3564, 169.6619

■ 13.1954, 8.3972,
11.2813

■ 13.1954, 8.3972,
11.2813

■ 12.3875, 7.2442,
9.5852

■ 14.2032, 9.9066,
13.1776

■ 11.7630, 6.4158,
8.0801

■ 15.4241, 11.7980,
15.2816

■ 11.3034, 5.8765,
6.7562

■ 16.8713, 14.0964,
17.6011

■ 10.9953, 5.5523,
5.7527

■ 18.5562, 16.8240,
20.1429

■ 20.4898, 20.0015,
22.9137

■ 22.6822, 23.6482,
25.9198

■ 25.1430, 27.7824,
29.1672

■ 27.8812, 32.4213,
32.6618

■ 30.9054, 37.5813,
36.4091

Harmonies

Analogous

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



11.9337, 8.3972, 19.6687



13.1954, 8.3972, 11.2813



12.8657, 8.3972, 5.3187

Triad

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



13.1954, 8.3972, 11.2813



6.5011, 8.3972, 1.6817



5.5068, 8.3972, 22.9352

Complementary

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



13.1954, 8.3972, 11.2813



12.1009, 18.8663, 13.5945

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.



4.5222, 8.3972, 14.4652



13.1954, 8.3972, 11.2813



5.0149, 8.3972, 3.2600

Square

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



13.1954, 8.3972, 11.2813



8.6966, 8.3972, 1.4709



4.3613, 8.3972, 7.2938



7.3063, 8.3972, 28.2288

Rectangle

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



13.1954, 8.3972, 11.2813



11.8094, 8.3972, 3.0990



4.3613, 8.3972, 7.2938



5.0852, 8.3972, 20.2163

Sweetspot

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



13.1956, 8.3976, 11.2815



34.2472, 31.7908, 37.5536



10.1666, 6.5592, 23.6518



7.7327, 7.0376, 8.4080



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.1956, 8.3976, 11.2815



21.6781, 12.2857, 15.9981



11.8398, 7.8553, 4.1416



4.7613, 4.7242, 5.3555



10.1458, 5.1227, 5.3402



0.0388, 0.0192, 0.0378

Inverse Universe

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



13.1956, 8.3976, 11.2815



21.6781, 12.2857, 15.9981



14.4535, 19.8073, 25.9830



4.7613, 4.7242, 5.3555



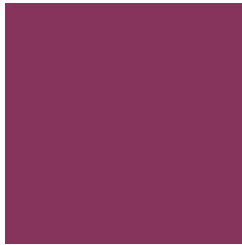
10.1458, 5.1227, 5.3402



0.0388, 0.0192, 0.0378

Previews

White Background



This preview shows how the XYZ color 13.1954, 8.3972, 11.2813 looks on a white background.

Color Contrast Check

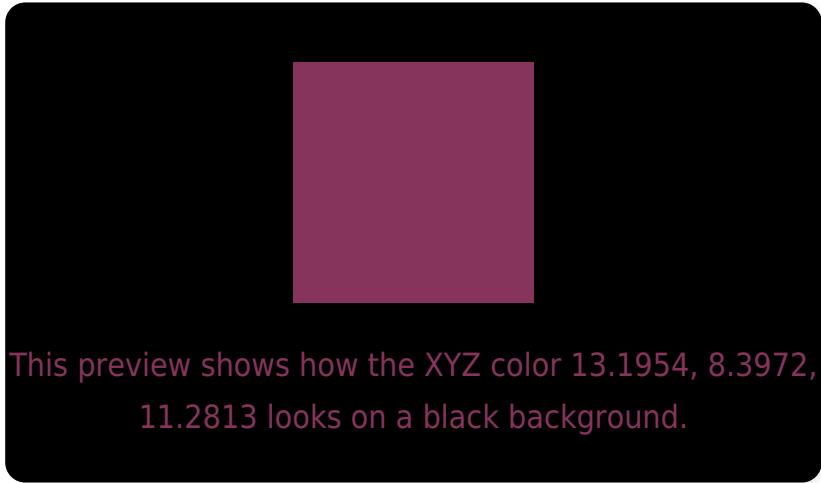
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1954, 8.3972, 11.2813

Background



This preview shows how black text looks on a background with the XYZ color 13.1954, 8.3972, 11.2813.



This preview shows how white text looks on a background with the XYZ color 13.1954, 8.3972,

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

13.1954, 8.3972, 11.2813

Protanopia

8.7456, 8.6433, 16.8302

Deuteranopia

8.6963, 8.5333, 10.6399



Tritanopia

12.1340, 8.4734, 5.6986

Trichromacy



Original Color

13.1954, 8.3972, 11.2813

Protanomaly

9.6786, 8.0339, 14.6762

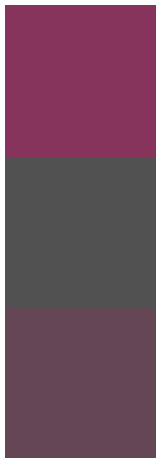
Deuteranomaly

9.8613, 8.1218, 10.7208

Tritanomaly

12.4817, 8.3911, 7.4403

Monochromacy



Original Color

13.1954, 8.3972, 11.2813

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.1967, 7.8029, 9.6157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1954, 8.3972, 11.2813 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(135, 52, 93)` looks like.

```
.text, #text, p{  
    color:rgb(135, 52, 93)  
}
```

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(135, 52, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 52, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.1954, 8.3972, 11.2813 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(135, 52, 93) }
```


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

```
.border{ border-color:rgb(135, 52, 93) }
```

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

Here you see how a box with a 4 pixel rgb(135, 52, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 52, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 52, 93);  
box-shadow:4px 4px 4px 4px rgb(135, 52,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1954, 8.3972, 11.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 52, 93) }
```

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

```
.background{ background-color: rgb(135, 52,  
93) }
```

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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