

Converting Colors

XYZ(13.2455, 8.1896, 2.3215)

Have a look what the booklet for
XYZ(13.2455, 8.1896, 2.3215)
contains.

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Color

**XYZ(13.2455, 8.1896,
2.3215)**

Conversions

Conversions Part 1

Format	Color
Hex	932D21
RGB	147, 45, 33
RGB Percent	58%, 18%, 13%
CMY	0.4235, 0.8235, 0.8706
CMYK	0.00, 0.69, 0.78, 0.42
HSL	6°, 63%, 35%
HSV	6°, 78%, 58%
XYZ	13.2455, 8.1896, 2.3215
YIQ	74.1300, 64.6440, 17.8920

Conversions

Conversions Part 2

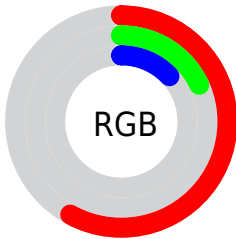
Format	Color
R_{YB}	147, 46, 33
Decimal	9645345
CIE _{Lab}	34.37, 42.09, 31.39
CIE _{LCh}	34, 52.513, 36.716
Yxy	8.1896, 0.5576, 0.3447
Android (android.graphics.Color)	4287835425 (0xFF932D21)
YUV	74.1300, -20.2771, 63.9070
Hunter-Lab	28.6175, 32.5375, 15.2225

Details

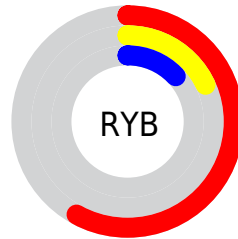
The XYZ color **13.2455, 8.1896, 2.3215** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.5567, 19.7561, 30.6496**, and the grayscale version is **6.5593, 6.9009, 7.5151**.

A 20% lighter version of the original color is **31.3820, 22.3648, 9.8706**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **12.6568, 7.2729, 1.3220**, and if you desaturate by 10%, it is **14.0809, 9.4560, 3.8471**.

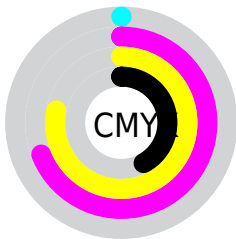
Distribution



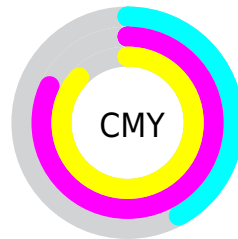
- Red (58%)
- Green (18%)
- Blue (13%)



- Red (58%)
- Yellow (18%)
- Blue (13%)



- Cyan (0%)
- Magenta (69%)
- Yellow (78%)
- Black (42%)




- Cyan (42%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2455, 8.1896, 2.3215 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 13.2455, 8.1896, 2.3215 by changing the saturation by 10% instead.


 13.2455, 8.1896,
2.3215


 13.2455, 8.1896,
2.3215


206.0911,
177.2117, 127.1847


 7.6760, 4.2165,
0.7432


 31.3417, 22.3293,
9.9025


 3.9384, 1.7954,
0.0000

 44.5991, 33.2647,
16.7587


 1.6673, 0.4843,
0.0000

 61.1499, 47.2897,
26.2168

 0.4357, 0.0000,
0.0000

 81.3593, 64.7886,
38.6954

 0.0000, 0.0000,
0.0000

 105.5928, 86.1458,
54.6129

 134.2156,

111.7458, 74.3879

167.5933,
141.9730, 98.4390

13.2455, 8.1896,
2.3215

13.2455, 8.1896,
2.3215

12.6568, 7.2729,
1.3220

14.0809, 9.4560,
3.8471

12.2801, 6.6666,
0.7430

15.1861, 11.1013,
5.9577

12.2102, 6.5584,
0.6223

16.5819, 13.1529,
8.7046

18.2872, 15.6355,
12.1337

20.3191, 18.5719,
16.2864

■ 22.6933, 21.9830,
21.2008

■ 25.4249, 25.8888,
26.9125

■ 28.5277, 30.3078,
33.4547

■ 32.0150, 35.2576,
40.8589

Harmonies

Analogous

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



14.8478, 8.1896, 7.1561



13.2455, 8.1896, 2.3215



10.2366, 8.1896, 0.7712

Triad

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



13.2455, 8.1896, 2.3215



3.6634, 8.1896, 3.9299



8.4633, 8.1896, 36.5564

Complementary

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



13.2455, 8.1896, 2.3215



14.5567, 19.7561, 30.6496

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.



5.7582, 8.1896, 33.5527



13.2455, 8.1896, 2.3215



3.4145, 8.1896, 10.9455

Square

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



13.2455, 8.1896, 2.3215



4.8722, 8.1896, 1.2204



4.0778, 8.1896, 22.5033



11.6721, 8.1896, 29.1816

Rectangle

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



13.2455, 8.1896, 2.3215



8.1120, 8.1896, 0.4782



4.0778, 8.1896, 22.5033



7.4649, 8.1896, 36.7731

Sweetspot

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



13.2457, 8.1901, 2.3216



38.0471, 35.6461, 32.5870



16.9919, 9.0570, 23.9962



8.3753, 7.6912, 6.7991



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.2457, 8.1901, 2.3216



22.1437, 12.1783, 1.5776



16.9997, 15.6980, 3.5730



5.8471, 5.9079, 6.0726



10.5955, 5.7055, 0.5428



0.1393, 0.0891, 0.0099

Inverse Universe

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



14.5567, 19.7561, 30.6496



24.4547, 33.5639, 54.6242



8.6609, 7.9644, 28.6843



5.9125, 6.4590, 7.4048



11.6733, 16.0414, 26.4121



0.1549, 0.2205, 0.3273

Previews

White Background



This preview shows how the XYZ color 13.2455, 8.1896, 2.3215 looks on a white background.

Color Contrast Check

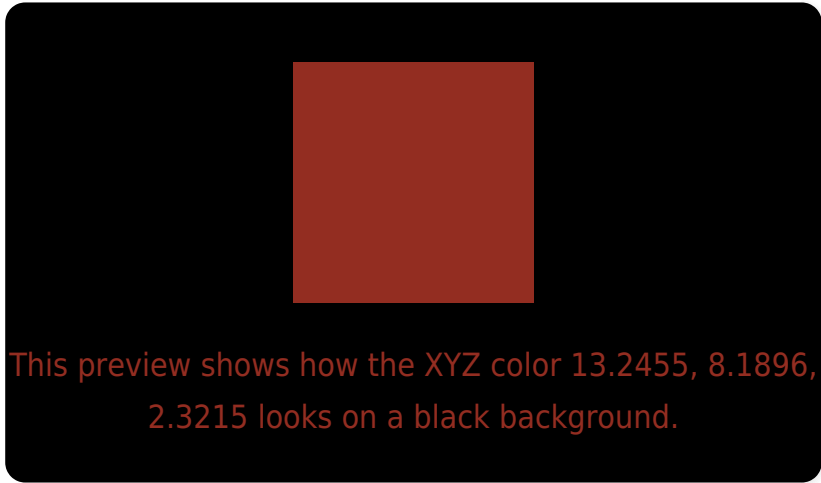
Large Text (above 18pt) WCAG AA ✓ Pass

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

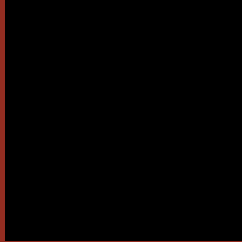
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2455, 8.1896, 2.3215

Background



This preview shows how black text looks on a background with the XYZ color 13.2455, 8.1896, 2.3215.



This preview shows how white text looks on a background with the XYZ color 13.2455, 8.1896,

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

13.2455, 8.1896, 2.3215

Protanopia

7.6884, 8.3901, 3.5971

Deuteranopia

8.4934, 8.4025, 2.0939



Tritanopia

13.3702, 8.1203, 3.3453

Trichromacy



Original Color

13.2455, 8.1896, 2.3215

Protanomaly

9.0667, 7.7890, 3.0330

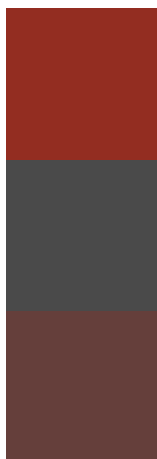
Deuteranomaly

9.7656, 7.9022, 2.1092

Tritanomaly

13.3335, 8.1645, 2.9710

Monochromacy



Original Color

13.2455, 8.1896, 2.3215

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

7.9338, 6.6375, 5.0007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2455, 8.1896, 2.3215 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(147, 45, 33)` looks like.

```
.text, #text, p{  
    color:rgb(147, 45, 33)  
}
```

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(147, 45, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 45, 33) }
```

Border

The CSS property to change the border of an element to XYZ 13.2455, 8.1896, 2.3215 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(147, 45, 33) }
```


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

```
.border{ border-color:rgb(147, 45, 33) }
```

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

Here you see how a box with a 4 pixel rgb(147, 45, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 45, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 45, 33);  
box-shadow:4px 4px 4px 4px rgb(147, 45,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2455, 8.1896, 2.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 45, 33) }
```

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

```
.background{ background-color: rgb(147, 45,  
33) }
```

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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