

Converting Colors

XYZ(13.0947, 22.3825, 8.1839)

Have a look what the booklet for
XYZ(13.0947, 22.3825, 8.1839)
contains.

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Color

**XYZ(13.0903, 22.3684,
8.1850)**

Conversions

Conversions Part 1

Format	Color
Hex	38943E
RGB	56, 148, 62
RGB Percent	22%, 58%, 24%
CMY	0.7804, 0.4196, 0.7569
CMYK	0.62, 0.00, 0.58, 0.42
HSL	124°, 45%, 40%
HSV	124°, 62%, 58%
XYZ	13.0903, 22.3684, 8.1850
YIQ	110.6880, -27.2260, -46.2500

Conversions

Conversions Part 2

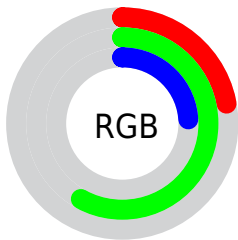
Format	Color
R_{YB}	56, 142, 148
Decimal	3707966
CIE Lab	54.42, -45.31, 37.00
CIE LCh	54, 58.494, 140.763
Yxy	22.3684, 0.2999, 0.5125
Android (android.graphics.Color)	4281898046 (0xFF38943E)
YUV	110.6880, -24.0032, -47.9614
Hunter-Lab	47.2952, -33.3617, 22.8458




Details

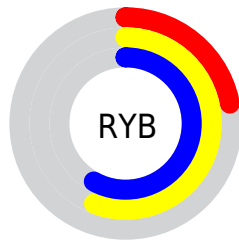
The XYZ color **13.0903, 22.3684, 8.1850** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.5100, 11.0776, 26.7542**, and the grayscale version is **15.0924, 15.8784, 17.2916**.




A 20% lighter version of the original color is **31.0906, 47.3924, 22.8382**, and **4.2433, 8.3899, 1.7124** is the 20% darker color. If you saturate the color by 10%, you get **12.0498, 21.8711, 6.4009**, and if you desaturate by 10%, it is **14.4732, 23.0323, 10.4907**.

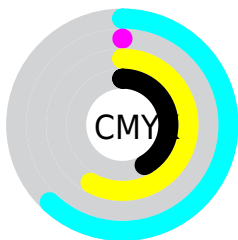
Distribution







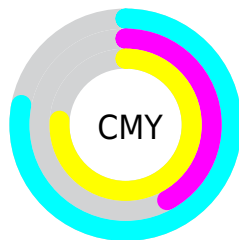
-  Red (22%)
-  Green (58%)
-  Blue (24%)






-  Red (22%)
-  Yellow (56%)
-  Blue (58%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (58%)
-  Black (42%)





-  Cyan (78%)
-  Magenta (42%)
-  Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0903, 22.3684, 8.1850 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 13.0903, 22.3684, 8.1850 by changing the saturation by 10% instead.

 13.0903, 22.3684,
8.1850


 13.0903, 22.3684,
8.1850


205.1215,
264.4642, 187.1644


 7.5682, 14.1278,
4.1241


 31.0659, 47.3541,
22.8725


 3.8694, 8.2096,
1.6937


 44.2500, 64.8681,
34.3361


 1.6285, 4.2294,
0.3564

 60.7189, 86.2420,
49.1044

 0.4109, 1.8027,
0.0000

 80.8378, 111.8602,
67.5958

 0.0000, 0.4888,
0.0000

 104.9722,
142.1071, 90.2290

 0.0000, 0.0000,
0.0000

 133.4874,

177.3672, 117.4225

166.7487,
218.0247, 149.5948

■ 13.0903, 22.3684,
8.1850

■ 13.0903, 22.3684,
8.1850

■ 12.0498, 21.8711,
6.4009

■ 14.4732, 23.0323,
10.4907

■ 11.3202, 21.5231,
5.0964

■ 16.2230, 23.8729,
13.3527

■ 10.8672, 21.3083,
4.2255

■ 18.3641, 24.9025,
16.8045

■ 10.6433, 21.2019,
3.8087

■ 20.9181, 26.1317,
20.8765

■ 23.9053, 27.5702,
25.5970

■ 27.3443, 29.2272,
30.9927

■ 31.2529, 31.1113,
37.0886

■ 35.6478, 33.2305,
43.9086

■ 40.5449, 35.5927,
51.4753

Harmonies

Analogous

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



17.1938, 22.3684, 4.0409



13.0903, 22.3684, 8.1850



11.2895, 22.3684, 19.1306

Triad

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



13.0903, 22.3684, 8.1850



19.3479, 22.3684, 78.2454



34.9497, 22.3684, 13.8857

Complementary

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



13.0903, 22.3684, 8.1850



18.5100, 11.0776, 26.7542

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.



35.8473, 22.3684, 30.4541



13.0903, 22.3684, 8.1850



25.9226, 22.3684, 74.3284

Square

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



13.0903, 22.3684, 8.1850



14.3948, 22.3684, 63.0625



32.2730, 22.3684, 54.0974



30.0217, 22.3684, 5.9984

Rectangle

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



13.0903, 22.3684, 8.1850



11.3268, 22.3684, 31.5390



32.2730, 22.3684, 54.0974



35.7668, 22.3684, 18.3548

Sweetspot

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



13.0908, 22.3693, 8.1855



38.2961, 46.7746, 39.0351



22.7018, 27.3419, 7.8224



8.4438, 10.5339, 8.4379



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.



13.0908, 22.3693, 8.1855



20.6382, 38.2917, 10.1964



14.8542, 23.0747, 17.4713



5.7440, 6.4742, 6.2630



9.0947, 18.1107, 3.2743



0.1144, 0.2229, 0.0561

Inverse Universe

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



18.5100, 11.0776, 26.7542



31.0305, 16.5804, 45.7628



15.8039, 9.9951, 12.5040



6.0192, 5.9027, 7.2070



14.3753, 6.9552, 21.2552



0.1799, 0.0867, 0.2811

Previews

White Background



This preview shows how the XYZ color 13.0903, 22.3684, 8.1850 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.0903, 22.3684, 8.1850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

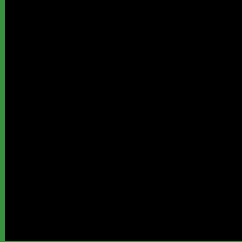
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0903, 22.3684, 8.1850

Background



This preview shows how black text looks on a background with the XYZ color 13.0903, 22.3684, 8.1850.



This preview shows how white text looks on a background with the XYZ color 13.0903, 22.3684,

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

13.0903, 22.3684, 8.1850

Protanopia

20.0657, 21.9153, 6.9139

Deuteranopia

22.2577, 21.8647, 8.6774



Tritanopia

17.9621, 22.3295, 32.2175

Trichromacy



Original Color

13.0903, 22.3684, 8.1850

Protanomaly

16.2500, 21.3586, 7.2691

Deuteranomaly

17.1198, 20.9608, 8.2978

Tritanomaly

15.5415, 21.9936, 20.5656

Monochromacy



Original Color

13.0903, 22.3684, 8.1850

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.4978, 17.4298, 13.0088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0903, 22.3684, 8.1850 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(56, 148, 62)` looks like.

```
.text, #text, p{  
    color:rgb(56, 148, 62)  
}
```

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(56, 148, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 148, 62) }
```

Border

The CSS property to change the border of an element to XYZ 13.0903, 22.3684, 8.1850 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(56, 148, 62) }
```


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

```
.border{ border-color:rgb(56, 148, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 148, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 148, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 148, 62);  
box-shadow:4px 4px 4px 4px rgb(56, 148,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0903, 22.3684, 8.1850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 148, 62) }
```

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

```
.background{ background-color: rgb(56, 148,  
62) }
```

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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