

Converting Colors

XYZ(20.8375, 23.6130, 8.5067)

Have a look what the booklet for
XYZ(20.8375, 23.6130, 8.5067)
contains.

XYZ(20.9136, 23.7408, 8.4812)	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(20.9136, 23.7408,
8.4812)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8841
RGB	142, 136, 65
RGB Percent	56%, 53%, 25%
CMY	0.4431, 0.4667, 0.7451
CMYK	0.00, 0.04, 0.54, 0.44
HSL	55°, 37%, 41%
HSV	55°, 54%, 56%
XYZ	20.9136, 23.7408, 8.4812
YIQ	129.7000, 26.3670, -20.8090

Conversions

Conversions Part 2

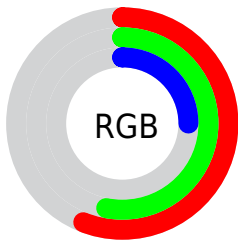
Format	Color
R_{YB}	72, 142, 65
Decimal	9340993
CIE _{Lab}	55.83, -7.74, 38.43
CIE _{LCh}	56, 39.199, 101.395
Yxy	23.7408, 0.3936, 0.4468
Android (android.graphics.Color)	4287531073 (0xFF8E8841)
YUV	129.7000, -31.8971, 10.7871
Hunter-Lab	48.7245, -8.6520, 23.7869

Details

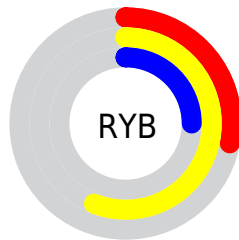
The XYZ color **20.9136, 23.7408, 8.4812** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.3156, 7.5830, 26.5636**, and the grayscale version is **21.2152, 22.3200, 24.3065**.

A 20% lighter version of the original color is **44.3181, 49.5033, 23.4389**, and **7.5411, 8.8168, 1.7946** is the 20% darker color. If you saturate the color by 10%, you get **20.3982, 23.2876, 6.5290**, and if you desaturate by 10%, it is **21.5352, 24.2407, 10.9796**.

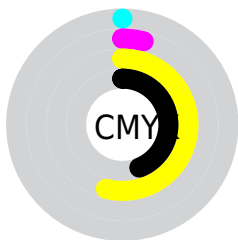
Distribution



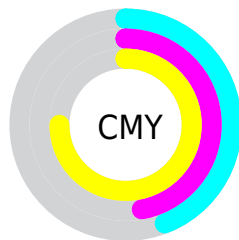
- Red (56%)
- Green (53%)
- Blue (25%)



- Red (28%)
- Yellow (56%)
- Blue (25%)



- Cyan (0%)
- Magenta (4%)
- Yellow (54%)
- Black (44%)



- Cyan (44%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9136, 23.7408, 8.4812 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 20.9136, 23.7408, 8.4812 by changing the saturation by 10% instead.

■ 20.9136, 23.7408,
8.4812

■ 20.9136, 23.7408,
8.4812

249.5594,
271.5074, 189.5324

■ 13.1730, 15.1415,
4.3122

■ 44.4361, 49.6069,
23.4581

■ 7.6256, 8.9187,
1.7981

■ 60.9486, 67.6424,
35.1031

■ 3.9061, 4.6882,
0.4267

■ 81.1158, 89.5922,
50.0771

■ 1.6491, 2.0655,
0.0000

■ 105.3030,
115.8405, 68.7988

■ 0.4241, 0.6451,
0.0000

■ 133.8756,
146.7718, 91.6866

■ 0.0000, 0.0000,
0.0000

167.1990,

182.7704, 119.1591

205.6385,
224.2208, 151.6348

■ 20.9136, 23.7408,
8.4812

■ 20.9136, 23.7408,
8.4812

■ 20.3982, 23.2876,
6.5290

■ 21.5352, 24.2407,
10.9796

■ 19.9794, 22.8748,
5.0799

■ 22.2683, 24.7870,
14.0602

■ 19.6487, 22.4998,
4.0868

■ 23.1200, 25.3833,
17.7574

■ 19.3948, 22.1580,
3.4902

■ 24.0964, 26.0321,
22.1027

■ 19.2639, 21.9680,
3.2249

■ 25.2029, 26.7355,
27.1253

■ 26.4447, 27.4957,
32.8528

■ 27.8269, 28.3146,
39.3110

■ 29.3540, 29.1941,
46.5247

■ 31.0307, 30.1360,
54.5174

Harmonies

Analogous

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



25.4114, 23.7408, 8.8670



20.9136, 23.7408, 8.4812



17.3587, 23.7408, 11.4620

Triad

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



20.9136, 23.7408, 8.4812



16.7266, 23.7408, 45.7150



31.7016, 23.7408, 34.4987

Complementary

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



20.9136, 23.7408, 8.4812



9.3156, 7.5830, 26.5636

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.



28.7201, 23.7408, 48.9823



20.9136, 23.7408, 8.4812



19.9394, 23.7408, 56.7899

Square

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



20.9136, 23.7408, 8.4812



15.1626, 23.7408, 31.0088



24.3010, 23.7408, 58.1509



32.0528, 23.7408, 21.2971

Rectangle

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



20.9136, 23.7408, 8.4812



15.8456, 23.7408, 15.7885



24.3010, 23.7408, 58.1509



30.9571, 23.7408, 39.4728

Sweetspot

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



20.9142, 23.7419, 8.4817



42.1104, 45.6566, 37.2629



14.1965, 9.9919, 7.2123



9.3354, 10.1514, 8.0094



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.9142, 23.7419, 8.4817



35.7999, 40.9053, 10.8980



17.0472, 23.0372, 8.5495



5.8041, 6.2146, 5.7830



17.3023, 19.7363, 2.8976



0.1723, 0.2025, 0.0300

Inverse Universe

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



9.3156, 7.5830, 26.5636



13.1601, 9.3806, 46.2449



11.7116, 8.2798, 26.5718



5.1613, 5.3183, 6.7833



4.4980, 1.9820, 23.1226



0.0484, 0.0297, 0.2229

Previews

White Background



This preview shows how the XYZ color 20.9136, 23.7408, 8.4812 looks on a white background.

Color Contrast Check

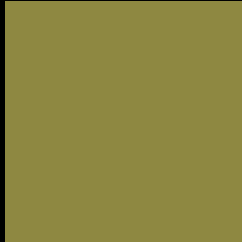
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9136, 23.7408, 8.4812 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 20.9136, 23.7408, 8.4812

Background



This preview shows how black text looks on a background with the XYZ color 20.9136, 23.7408, 8.4812.



This preview shows how white text looks on a background with the XYZ color 20.9136, 23.7408,

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

20.9136, 23.7408, 8.4812

Protanopia

21.6633, 23.7163, 8.2864

Deuteranopia

24.1195, 23.5833, 8.5910



Tritanopia

24.7010, 23.6629, 27.3103

Trichromacy



Original Color

20.9136, 23.7408, 8.4812

Protanomaly

21.4434, 23.8091, 8.3159

Deuteranomaly

22.8706, 23.5267, 8.4900

Tritanomaly

22.8396, 23.4913, 18.3694

Monochromacy



Original Color

20.9136, 23.7408, 8.4812

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.6843, 22.6115, 16.9099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9136, 23.7408, 8.4812 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(142, 136, 65)` looks like.

```
.text, #text, p{  
    color:rgb(142, 136, 65)  
}
```

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(142, 136, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 136, 65) }
```

Border

The CSS property to change the border of an element to XYZ 20.9136, 23.7408, 8.4812 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(142, 136, 65) }
```


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

```
.border{ border-color:rgb(142, 136, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 136, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 136, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 136, 65);  
box-shadow:4px 4px 4px 4px rgb(142, 136,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9136, 23.7408, 8.4812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 136, 65) }
```

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

```
.background{ background-color: rgb(142,  
136, 65) }
```

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