

Converting Colors

XYZ(20.7920, 23.8555, 9.9269)

Have a look what the booklet for
XYZ(20.7920, 23.8555, 9.9269)
contains.

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Color

**XYZ(20.8292, 23.8747,
9.9890)**

Conversions

Conversions Part 1

Format	Color
Hex	8B894A
RGB	139, 137, 74
RGB Percent	55%, 54%, 29%
CMY	0.4549, 0.4627, 0.7098
CMYK	0.00, 0.01, 0.47, 0.45
HSL	58°, 31%, 42%
HSV	58°, 47%, 55%
XYZ	20.8292, 23.8747, 9.9890
YIQ	130.4160, 21.4150, -19.1690

Conversions

Conversions Part 2

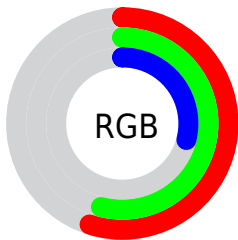
Format	Color
RYB	76, 139, 74
Decimal	9144650
CIELab	55.96, -8.73, 33.87
CIElCh	56, 34.978, 104.456
Yxy	23.8747, 0.3808, 0.4365
Android (android.graphics.Color)	4287334730 (0xFF8B894A)
YUV	130.4160, -27.8131, 7.5282
Hunter-Lab	48.8617, -9.4156, 22.0823

Details

The XYZ color **20.8292, 23.8747, 9.9890** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.0687, 8.4886, 25.5340**, and the grayscale version is **21.4563, 22.5737, 24.5828**.

A 20% lighter version of the original color is **44.2997, 49.7515, 26.3369**, and **7.5365, 8.9218, 2.3618** is the 20% darker color. If you saturate the color by 10%, you get **20.3514, 23.5875, 7.7693**, and if you desaturate by 10%, it is **21.4119, 24.2060, 12.7549**.

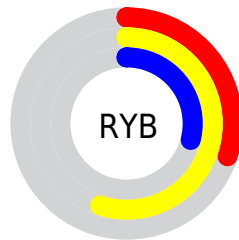
Distribution



Red (55%)

Green (54%)

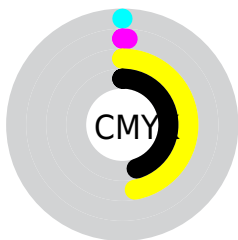
Blue (29%)



Red (30%)

Yellow (55%)

Blue (29%)

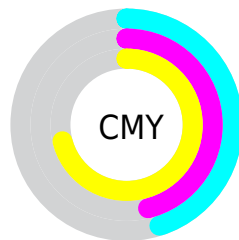


Cyan (0%)

Magenta (1%)

Yellow (47%)

Black (45%)



Cyan (45%)

Magenta (46%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8292, 23.8747, 9.9890 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 20.8292, 23.8747, 9.9890 by changing the saturation by 10% instead.

20.8292, 23.8747,
9.9890

20.8292, 23.8747,
9.9890

249.1183,
272.1864, 201.0755

13.1110, 15.2407,
5.2862

44.2965, 49.8257,
26.3823

7.5825, 8.9885,
2.3545

60.7763, 67.9114,
38.9098

3.8785, 4.7337,
0.7615

80.9073, 89.9165,
54.8827

1.6337, 2.0919,
0.0000

105.0549,
116.2254, 74.7194

0.4142, 0.6600,
0.0000

133.5845,
147.2224, 98.8385

0.0000, 0.0000,
0.0000

166.8613,

183.2920, 127.6585

205.2508,
224.8185, 161.5980

■ 20.8292, 23.8747,
9.9890

■ 20.8292, 23.8747,
9.9890

■ 20.3514, 23.5875,
7.7693

■ 21.4119, 24.2060,
12.7549

■ 19.9699, 23.3384,
6.0579

■ 22.1040, 24.5805,
16.0984

■ 19.6775, 23.1252,
4.8146

■ 22.9119, 25.0018,
20.0504

■ 19.4653, 22.9446,
3.9925

■ 23.8410, 25.4718,
24.6392

■ 19.3179, 22.7902,
3.5101

■ 24.8962, 25.9928,
29.8913

■ 19.2739, 22.7418,
3.3738

■ 26.0824, 26.5665,
35.8316

■ 27.4040, 27.1948,
42.4839

■ 28.8653, 27.8793,
49.8706

■ 30.4704, 28.6218,
58.0135

Harmonies

Analogous

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



24.8121, 23.8747, 10.0462



20.8292, 23.8747, 9.9890



17.7291, 23.8747, 13.2486

Triad

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



20.8292, 23.8747, 9.9890



17.6419, 23.8747, 44.6337



30.9207, 23.8747, 32.3433

Complementary

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



20.8292, 23.8747, 9.9890



10.0687, 8.4886, 25.5340

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.



28.5045, 23.8747, 45.0580



20.8292, 23.8747, 9.9890



20.6966, 23.8747, 53.4507

Square

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



20.8292, 23.8747, 9.9890



16.0407, 23.8747, 31.8793



24.6631, 23.8747, 53.6255



30.9671, 23.8747, 20.8842

Rectangle

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



20.8292, 23.8747, 9.9890



16.4466, 23.8747, 17.6211



24.6631, 23.8747, 53.6255



30.3472, 23.8747, 36.6747

Sweetspot

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



20.8298, 23.8758, 9.9895



41.4195, 44.9723, 37.8183



14.4068, 10.9109, 8.2149



9.4735, 10.3266, 8.3668



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.



20.8298, 23.8758, 9.9895



36.4109, 42.2192, 13.7542



16.7346, 22.1899, 9.8799



5.4181, 5.8190, 5.3900



17.3979, 20.5302, 3.0458



0.1175, 0.1402, 0.0209

Inverse Universe

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



10.0687, 8.4886, 25.5340



14.7016, 11.1814, 45.1263



12.8569, 9.7250, 25.6257



4.7862, 4.9153, 6.3023



4.2503, 1.7708, 22.1635



0.0296, 0.0146, 0.1477

Previews

White Background



This preview shows how the XYZ color 20.8292, 23.8747, 9.9890 looks on a white background.

Color Contrast Check

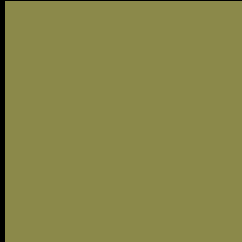
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8292, 23.8747, 9.9890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

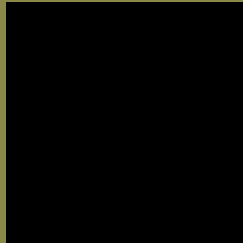
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8292, 23.8747, 9.9890

Background



This preview shows how black text looks on a background with the XYZ color 20.8292, 23.8747, 9.9890.



This preview shows how white text looks on a background with the XYZ color 20.8292, 23.8747,

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

20.8292, 23.8747, 9.9890

Protanopia

21.9404, 23.8271, 9.7460

Deuteranopia

24.1279, 23.7467, 10.1494



Tritanopia

24.5703, 23.9697, 28.1426

Trichromacy



Original Color

20.8292, 23.8747, 9.9890

Protanomaly

21.5436, 23.8287, 9.7673

Deuteranomaly

22.7127, 23.6106, 10.0168

Tritanomaly

22.8676, 23.8757, 19.9262

Monochromacy



Original Color

20.8292, 23.8747, 9.9890

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8749, 22.8874, 18.0693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8292, 23.8747, 9.9890 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(139, 137, 74)` looks like.

```
.text, #text, p{  
    color:rgb(139, 137, 74)  
}
```

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(139, 137, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 137, 74) }
```

Border

The CSS property to change the border of an element to XYZ 20.8292, 23.8747, 9.9890 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(139, 137, 74) }
```


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

```
.border{ border-color:rgb(139, 137, 74) }
```

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

Here you see how a box with a 4 pixel rgb(139, 137, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 137, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 137, 74);  
box-shadow:4px 4px 4px 4px rgb(139, 137,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8292, 23.8747, 9.9890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 137, 74) }
```

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

```
.background{ background-color: rgb(139,  
137, 74) }
```

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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