

Converting Colors

XYZ(21.3665, 20.7910, 8.0699)

Have a look what the booklet for
XYZ(21.3665, 20.7910, 8.0699)
contains.

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Color

**XYZ(21.4101, 20.8942,
8.0588)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7842
RGB	156, 120, 66
RGB Percent	61%, 47%, 26%
CMY	0.3882, 0.5294, 0.7412
CMYK	0.00, 0.23, 0.58, 0.39
HSL	36°, 41%, 44%
HSV	36°, 58%, 61%
XYZ	21.4101, 20.8942, 8.0588
YIQ	124.6080, 38.7900, -9.1620

Conversions

Conversions Part 2

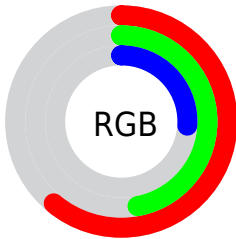
Format	Color
R_{YB}	126, 156, 66
Decimal	10254402
CIE _{Lab}	52.83, 7.53, 34.71
CIE _{LCh}	53, 35.514, 77.759
Yxy	20.8942, 0.4251, 0.4149
Android (android.graphics.Color)	4288444482 (0xFF9C7842)
YUV	124.6080, -28.8937, 27.5308
Hunter-Lab	45.7102, 3.6145, 21.5442

Details

The XYZ color **21.4101, 20.8942, 8.0588** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.9986, 13.0607, 33.2881**, and the grayscale version is **19.4465, 20.4592, 22.2801**.

A 20% lighter version of the original color is **45.2876, 44.8890, 22.4972**, and **7.9144, 7.5065, 1.6479** is the 20% darker color. If you saturate the color by 10%, you get **20.2855, 19.2833, 5.7161**, and if you desaturate by 10%, it is **22.7101, 22.6551, 11.0793**.

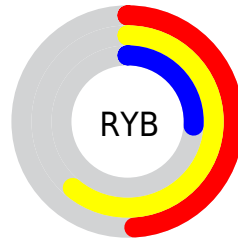
Distribution



Red (61%)

Green (47%)

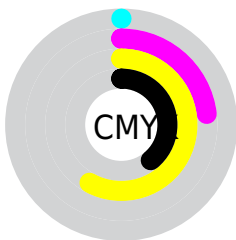
Blue (26%)



Red (49%)

Yellow (61%)

Blue (26%)

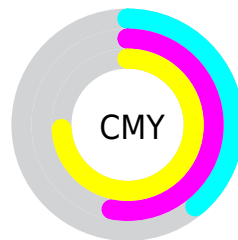


Cyan (0%)

Magenta (23%)

Yellow (58%)

Black (39%)



Cyan (39%)

Magenta (53%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4101, 20.8942, 8.0588 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 21.4101, 20.8942, 8.0588 by changing the saturation by 10% instead.

■ 21.4101, 20.8942,
8.0588

■ 21.4101, 20.8942,
8.0588

252.1407,
256.7157, 186.1443

■ 13.5383, 13.0467,
4.0443

■ 45.2552, 44.9114,
22.6217

■ 7.8798, 7.4607,
1.6497

■ 61.9592, 61.8499,
34.0072

■ 4.0693, 3.7519,
0.3259

■ 82.3380, 82.5874,
48.6867

■ 1.7414, 1.5357,
0.0000

■ 106.7568,
107.5085, 67.0789

■ 0.4820, 0.3137,
0.0000

■ 135.5812,
136.9975, 89.6021

■ 0.0000, 0.0000,
0.0000

169.1764,

171.4387, 116.6751

207.9077,
211.2167, 148.7163

■ 21.4101, 20.8942,
8.0588

■ 21.4101, 20.8942,
8.0588

■ 20.2855, 19.2833,
5.7161

■ 22.7101, 22.6551,
11.0793

■ 19.3233, 17.8134,
3.9946

■ 24.1942, 24.5685,
14.8256

■ 18.5110, 16.4787,
2.8302

■ 25.8721, 26.6405,
19.3427

■ 17.8264, 15.2687,
2.1110

■ 27.7525, 28.8760,
24.6717

■ 17.6780, 15.0035,
1.9642

■ 29.8433, 31.2794,
30.8507

■ 32.1521, 33.8551,
37.9152

■ 34.6860, 36.6072,
45.8988

■ 37.4517, 39.5396,
54.8335

■ 40.4559, 42.6562,
64.7495

Harmonies

Analogous

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



25.0496, 20.8942, 10.7324



21.4101, 20.8942, 8.0588



17.7626, 20.8942, 8.3162

Triad

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



21.4101, 20.8942, 8.0588



13.8125, 20.8942, 29.5655



25.6205, 20.8942, 39.4276

Complementary

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



21.4101, 20.8942, 8.0588



12.9986, 13.0607, 33.2881

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.



22.1148, 20.8942, 48.2706



21.4101, 20.8942, 8.0588



15.4406, 20.8942, 41.4674

Square

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



21.4101, 20.8942, 8.0588



13.6735, 20.8942, 18.6887



18.3853, 20.8942, 49.1156



27.6756, 20.8942, 27.3613

Rectangle

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



21.4101, 20.8942, 8.0588



15.8048, 20.8942, 10.1221



18.3853, 20.8942, 49.1156



24.5540, 20.8942, 43.0187

Sweetspot

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



21.4106, 20.8952, 8.0592



50.5349, 52.5970, 45.1826



18.0568, 11.9238, 13.9204



10.9759, 11.4050, 9.5260



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.4106, 20.8952, 8.0592



36.3490, 34.2855, 9.4398



24.9043, 30.3731, 9.7045



6.9474, 7.2747, 7.0237



14.5959, 12.4274, 1.6294



0.3016, 0.3034, 0.0427

Inverse Universe

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



12.9986, 13.0607, 33.2881



19.6253, 18.7463, 59.7108



10.8508, 7.7928, 32.3845



6.4916, 6.8489, 8.3865



6.4115, 4.9146, 26.5179



0.1548, 0.1682, 0.4875

Previews

White Background



This preview shows how the XYZ color 21.4101, 20.8942, 8.0588 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 21.4101, 20.8942, 8.0588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

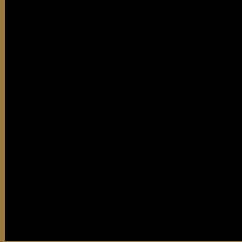
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4101, 20.8942, 8.0588

Background



This preview shows how black text looks on a background with the XYZ color 21.4101, 20.8942, 8.0588.



This preview shows how white text looks on a background with the XYZ color 21.4101, 20.8942,

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

21.4101, 20.8942, 8.0588

Protanopia

19.1517, 20.8280, 8.4797

Deuteranopia

21.2174, 20.7949, 8.0498



Tritanopia

24.2281, 21.0168, 21.1920

Trichromacy



Original Color

21.4101, 20.8942, 8.0588

Protanomaly

19.8978, 20.8403, 8.2840

Deuteranomaly

21.2174, 20.7949, 8.0498

Tritanomaly

22.9417, 20.8210, 15.3801

Monochromacy



Original Color

21.4101, 20.8942, 8.0588

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7350, 20.3996, 15.9941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4101, 20.8942, 8.0588 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(156, 120, 66)` looks like.

```
.text, #text, p{  
    color:rgb(156, 120, 66)  
}
```

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(156, 120, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 120, 66) }
```

Border

The CSS property to change the border of an element to XYZ 21.4101, 20.8942, 8.0588 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(156, 120, 66) }
```


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

```
.border{ border-color:rgb(156, 120, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 120, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 120, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 120, 66);  
box-shadow:4px 4px 4px 4px rgb(156, 120,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4101, 20.8942, 8.0588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 120, 66) }
```

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

```
.background{ background-color: rgb(156,  
120, 66) }
```

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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