

Converting Colors

XYZ(21.2683, 23.1644, 13.4735)

Have a look what the booklet for
XYZ(21.2683, 23.1644, 13.4735)
contains.

XYZ(21.3038, 23.2105, 13.4825)	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(21.3038, 23.2105,
13.4825)**

Conversions

Conversions Part 1

Format	Color
Hex	8D855C
RGB	141, 133, 92
RGB Percent	55%, 52%, 36%
CMY	0.4471, 0.4784, 0.6392
CMYK	0.00, 0.06, 0.35, 0.45
HSL	50°, 21%, 46%
HSV	50°, 35%, 55%
XYZ	21.3038, 23.2105, 13.4825
YIQ	130.7180, 17.9290, -11.0550

Conversions

Conversions Part 2

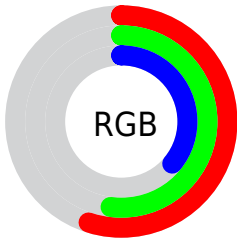
Format	Color
R_{YB}	102, 141, 92
Decimal	9274716
CIE Lab	55.29, -3.56, 23.23
CIE LCh	55, 23.496, 98.705
Yxy	23.2105, 0.3673, 0.4002
Android (android.graphics.Color)	4287464796 (0xFF8D855C)
YUV	130.7180, -19.0880, 9.0173
Hunter-Lab	48.1773, -5.3782, 17.1317

Details

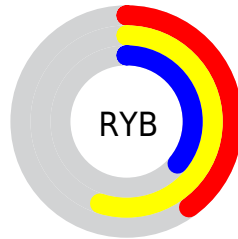
The XYZ color **21.3038, 23.2105, 13.4825** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.7784, 13.3124, 27.0426**, and the grayscale version is **21.5347, 22.6562, 24.6726**.

A 20% lighter version of the original color is **45.0225, 48.7031, 33.0143**, and **7.8604, 8.7038, 3.7483** is the 20% darker color. If you saturate the color by 10%, you get **20.4326, 22.3643, 10.4291**, and if you desaturate by 10%, it is **22.2979, 24.1186, 17.1435**.

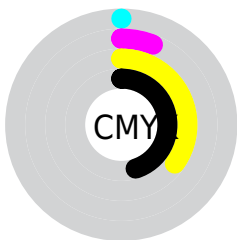
Distribution



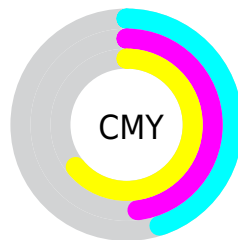
- Red (55%)
- Green (52%)
- Blue (36%)



- Red (40%)
- Yellow (55%)
- Blue (36%)



- Cyan (0%)
- Magenta (6%)
- Yellow (35%)
- Black (45%)



- Cyan (45%)
- Magenta (48%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3038, 23.2105, 13.4825 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 21.3038, 23.2105, 13.4825 by changing the saturation by 10% instead.

■ 21.3038, 23.2105,
13.4825

■ 21.3038, 23.2105,
13.4825

251.5899,
268.8043, 225.3026

■ 13.4600, 14.7490,
7.6270

■ 45.0801, 48.7387,
32.8717

■ 7.8252, 8.6434,
3.7729

■ 61.7432, 66.5743,
47.2426

■ 4.0342, 4.5093,
1.5016

■ 82.0769, 88.3033,
65.2889

■ 1.7215, 1.9624,
0.2191

■ 106.4464,
114.3102, 87.4294

■ 0.4697, 0.5855,
0.0000

135.2171,
144.9793, 114.0824

■ 0.0000, 0.0000,
0.0000

168.7543,

180.6951, 145.6666

207.4235,
221.8420, 182.6005

■ 21.3038, 23.2105,
13.4825

■ 21.3038, 23.2105,
13.4825

■ 20.4326, 22.3643,
10.4291

■ 22.2979, 24.1186,
17.1435

■ 19.6760, 21.5740,
7.9481

■ 23.4189, 25.0877,
21.4416

■ 19.0276, 20.8380,
6.0032

■ 24.6731, 26.1213,
26.4062

■ 18.4795, 20.1529,
4.5533

■ 26.0656, 27.2215,
32.0644

■ 18.0227, 19.5151,
3.5510

■ 27.6013, 28.3902,
38.4417

■ 17.6454, 18.9197,
2.9344

■ 29.2848, 29.6295,
45.5626

■ 17.4618, 18.6172,
2.6732

■ 31.1206, 30.9411,
53.4502

■ 33.1130, 32.3269,
62.1265

■ 35.2660, 33.7885,
71.6130

Harmonies

Analogous

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



23.9503, 23.2105, 14.0309



21.3038, 23.2105, 13.4825



19.0453, 23.2105, 15.5654

Triad

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



21.3038, 23.2105, 13.4825



18.3426, 23.2105, 35.4616



27.1199, 23.2105, 30.9097

Complementary

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



21.3038, 23.2105, 13.4825



13.7784, 13.3124, 27.0426

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.



25.3791, 23.2105, 38.3537



21.3038, 23.2105, 13.4825



20.2736, 23.2105, 41.3240

Square

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



21.3038, 23.2105, 13.4825



17.4271, 23.2105, 27.5299



22.8357, 23.2105, 42.4763



27.4509, 23.2105, 23.1416

Rectangle

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



21.3038, 23.2105, 13.4825



18.0129, 23.2105, 18.4666



22.8357, 23.2105, 42.4763



26.6739, 23.2105, 33.5731

Sweetspot

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



21.3044, 23.2116, 13.4830



42.9283, 45.7532, 42.2806



17.1202, 14.2406, 13.9456



9.5271, 10.1686, 9.2028



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.



21.3044, 23.2116, 13.4830



36.8644, 40.3237, 19.6094



19.8656, 24.1574, 13.7414



5.7657, 6.1377, 5.7702



15.9315, 16.9947, 2.4406



0.1652, 0.1883, 0.0276

Inverse Universe

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



13.7784, 13.3124, 27.0426



21.2173, 19.7489, 47.8215



14.8601, 12.7868, 26.8842



5.1963, 5.3884, 6.7950



4.6717, 2.3294, 23.1805



0.0555, 0.0439, 0.2252

Previews

White Background



This preview shows how the XYZ color 21.3038, 23.2105, 13.4825 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 21.3038, 23.2105, 13.4825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

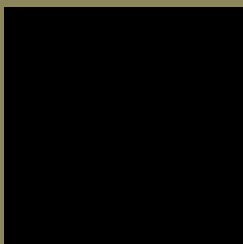
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3038, 23.2105, 13.4825

Background



This preview shows how black text looks on a background with the XYZ color 21.3038, 23.2105, 13.4825.



This preview shows how white text looks on a background with the XYZ color 21.3038, 23.2105,

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

21.3038, 23.2105, 13.4825

Protanopia

21.5107, 23.1149, 13.4531

Deuteranopia

23.6657, 23.2382, 13.5940



Tritanopia

23.9588, 23.0959, 26.8621

Trichromacy



Original Color

21.3038, 23.2105, 13.4825

Protanomaly

21.3384, 23.0260, 13.4450

Deuteranomaly

22.7749, 23.1662, 13.6271

Tritanomaly

22.8030, 23.0103, 21.3287

Monochromacy



Original Color

21.3038, 23.2105, 13.4825

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.4538, 22.9378, 20.1263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3038, 23.2105, 13.4825 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(141, 133, 92)` looks like.

```
.text, #text, p{  
    color:rgb(141, 133, 92)  
}
```

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(141, 133, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 133, 92) }
```

Border

The CSS property to change the border of an element to XYZ 21.3038, 23.2105, 13.4825 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(141, 133, 92) }
```


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

```
.border{ border-color:rgb(141, 133, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 133, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 133, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 133, 92);  
box-shadow:4px 4px 4px 4px rgb(141, 133,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3038, 23.2105, 13.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 133, 92) }
```

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

```
.background{ background-color: rgb(141,  
133, 92) }
```

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