

Converting Colors

XYZ(21.0733, 13.4245, 23.3106)

Have a look what the booklet for
XYZ(21.0733, 13.4245, 23.3106)
contains.

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Color

**XYZ(21.1323, 13.4816,
23.3182)**

Conversions

Conversions Part 1

Format	Color
Hex	A24484
RGB	162, 68, 132
RGB Percent	64%, 27%, 52%
CMY	0.3647, 0.7333, 0.4824
CMYK	0.00, 0.58, 0.19, 0.36
HSL	319°, 41%, 45%
HSV	319°, 58%, 64%
XYZ	21.1323, 13.4816, 23.3182
YIQ	103.4020, 35.4800, 39.8320

Conversions

Conversions Part 2

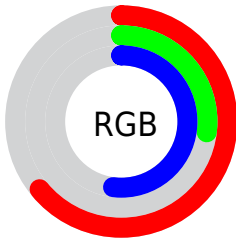
Format	Color
RYB	162, 68, 132
Decimal	10634372
CIELab	43.48, 46.52, -17.11
CIELCh	43, 49.570, 339.813
Yxy	13.4816, 0.3648, 0.2327
Android (android.graphics.Color)	4288824452 (0xFFA24484)
YUV	103.4020, 14.0988, 51.3904
Hunter-Lab	36.7173, 38.4787, -11.9514

Details

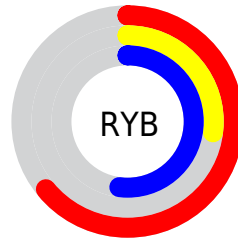
The XYZ color **21.1323, 13.4816, 23.3182** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.5095, 27.9519, 16.0290**, and the grayscale version is **12.9563, 13.6311, 14.8443**.

A 20% lighter version of the original color is **44.8077, 32.2376, 49.7598**, and **7.6732, 3.9087, 8.3327** is the 20% darker color. If you saturate the color by 10%, you get **19.9394, 11.6479, 21.2180**, and if you desaturate by 10%, it is **22.6143, 15.8650, 25.6016**.

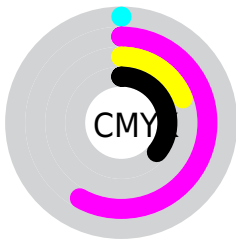
Distribution



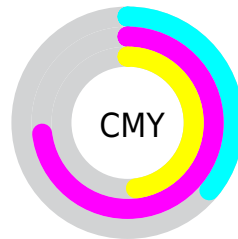
- Red (64%)
- Green (27%)
- Blue (52%)



- Red (64%)
- Yellow (27%)
- Blue (52%)



- Cyan (0%)
- Magenta (58%)
- Yellow (19%)
- Black (36%)



- Cyan (36%)
- Magenta (73%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1323, 13.4816, 23.3182 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 21.1323, 13.4816, 23.3182 by changing the saturation by 10% instead.

■ 21.1323, 13.4816,
23.3182

■ 21.1323, 13.4816,
23.3182

250.6992,
213.9815, 282.5299

■ 13.3338, 7.7610,
14.6211

■ 44.7972, 32.1663,
49.8451

■ 7.7374, 3.9424,
8.4103

■ 61.3943, 45.8993,
68.5120

■ 3.9777, 1.6414,
4.2671

■ 81.6550, 63.0717,
91.3392

■ 1.6895, 0.3853,
1.7730

■ 105.9446, 84.0682,
118.7454

■ 0.4497, 0.0000,
0.4100

■ 134.6284,
109.2730, 151.1490

■ 0.0000, 0.0000,
0.0000

168.0719,

139.0706, 188.9686

206.6404,
173.8453, 232.6227

■ 21.1323, 13.4816,
23.3182

■ 21.1323, 13.4816,
23.3182

■ 19.9394, 11.6479,
21.2180

■ 22.6143, 15.8650,
25.6016

■ 19.0112, 10.3161,
19.2911

■ 24.4047, 18.8370,
28.0754

■ 18.3211, 9.4334,
17.5277

■ 26.5225, 22.4349,
30.7473

■ 17.8220, 8.9057,
15.9107

■ 28.9849, 26.6927,
33.6242

■ 17.7310, 8.8137,
15.6030

■ 31.8076, 31.6416,
36.7124

■ 35.0056, 37.3111,
40.0181

■ 38.5928, 43.7287,
43.5470

■ 42.5826, 50.9208,
47.3047

■ 46.9875, 58.9121,
51.2963

Harmonies

Analogous

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



18.1862, 13.4816, 37.8523



21.1323, 13.4816, 23.3182



21.6216, 13.4816, 11.3420

Triad

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



21.1323, 13.4816, 23.3182



11.5884, 13.4816, 2.1085



7.9106, 13.4816, 32.9616

Complementary

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



21.1323, 13.4816, 23.3182



17.5095, 27.9519, 16.0290

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.



6.7968, 13.4816, 18.6140



21.1323, 13.4816, 23.3182



8.6198, 13.4816, 3.6479

Square

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



21.1323, 13.4816, 23.3182



15.5537, 13.4816, 2.3937



7.0272, 13.4816, 8.4907



10.4163, 13.4816, 45.0922

Rectangle

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



21.1323, 13.4816, 23.3182



20.4051, 13.4816, 6.4358



7.0272, 13.4816, 8.4907



7.3863, 13.4816, 28.0089

Sweetspot

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



21.1327, 13.4823, 23.3185



52.9560, 49.0442, 61.4209



13.6013, 9.3274, 35.2662



11.6908, 10.6618, 13.5653



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.1327, 13.4823, 23.3185



35.5894, 20.2487, 37.3272



18.6170, 12.4760, 10.0708



7.2677, 7.1635, 8.3959



13.9890, 6.9517, 12.3987



0.3140, 0.1541, 0.3659

Inverse Universe

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



21.1327, 13.4823, 23.3185



35.5894, 20.2487, 37.3272



20.3976, 29.1072, 31.2376



7.2677, 7.1635, 8.3959



13.9890, 6.9517, 12.3987



0.3140, 0.1541, 0.3659

Previews

White Background



This preview shows how the XYZ color 21.1323, 13.4816, 23.3182 looks on a white background.

Color Contrast Check

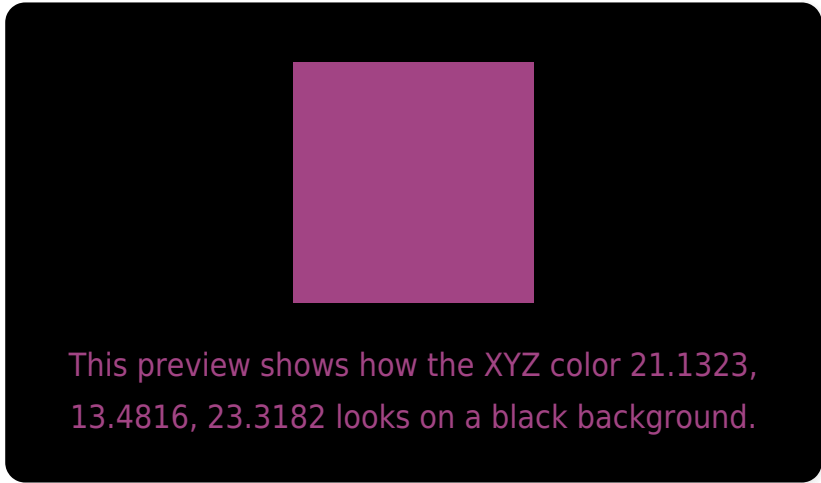
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

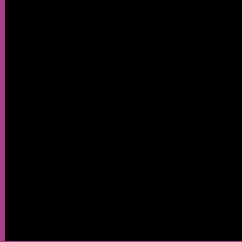
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1323, 13.4816, 23.3182

Background



This preview shows how black text looks on a background with the XYZ color 21.1323, 13.4816, 23.3182.



This preview shows how white text looks on a background with the XYZ color 21.1323, 13.4816,

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

21.1323, 13.4816, 23.3182

Protanopia

14.5791, 13.8562, 34.2539

Deuteranopia

13.9639, 13.6644, 21.9802



Tritanopia

18.3403, 13.4159, 10.2172

Trichromacy



Original Color

21.1323, 13.4816, 23.3182

Protanomaly

15.7631, 12.9270, 30.0981

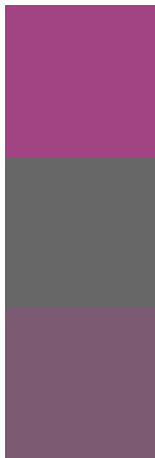
Deuteranomaly

15.8470, 13.0148, 22.4458

Tritanomaly

19.2124, 13.3624, 14.1370

Monochromacy



Original Color

21.1323, 13.4816, 23.3182

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.0056, 12.8123, 17.6017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1323, 13.4816, 23.3182 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(162, 68, 132)` looks like.

```
.text, #text, p{  
    color:rgb(162, 68, 132)  
}
```

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(162, 68, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 68, 132) }
```

Border

The CSS property to change the border of an element to XYZ 21.1323, 13.4816, 23.3182 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(162, 68, 132) }
```


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

```
.border{ border-color:rgb(162, 68, 132) }
```

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

Here you see how a box with a 4 pixel rgb(162, 68, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 68, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 68, 132);  
box-shadow:4px 4px 4px 4px rgb(162, 68,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1323, 13.4816, 23.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 68, 132) }
```

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

```
.background{ background-color: rgb(162, 68,  
132) }
```

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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