

# Converting Colors

XYZ(23.2322, 19.1755, 8.0684)

Have a look what the booklet for  
XYZ(23.2322, 19.1755, 8.0684)  
contains.

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# Color

**XYZ(23.2581, 19.2145,  
8.1132)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD6845
RGB	173, 104, 69
RGB Percent	68%, 41%, 27%
CMY	0.3216, 0.5921, 0.7294
CMYK	0.00, 0.40, 0.60, 0.32
HSL	20°, 43%, 47%
HSV	20°, 60%, 68%
XYZ	23.2581, 19.2145, 8.1132
YIQ	120.6410, 52.3590, 3.7430

# Conversions

## Conversions Part 2

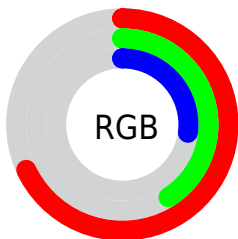
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 122, 69
Decimal	11364421
CIELab	50.94, 24.22, 31.25
CIELCh	51, 39.534, 52.226
Yxy	19.2145, 0.4598, 0.3798
Android (android.graphics.Color)	4289554501 (0xFFAD6845)
YUV	120.6410, -25.4590, 45.9188
Hunter-Lab	43.8343, 18.0003, 19.7102

# Details

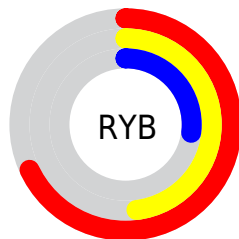
The XYZ color **23.2581, 19.2145, 8.1132** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.0851, 22.4584, 42.8641**, and the grayscale version is **18.1262, 19.0702, 20.7675**.

A 20% lighter version of the original color is **48.4372, 42.2407, 22.7399**, and **8.9152, 6.6762, 1.6829** is the 20% darker color. If you saturate the color by 10%, you get **21.7197, 16.8755, 5.3262**, and if you desaturate by 10%, it is **25.1113, 21.9326, 11.7778**.

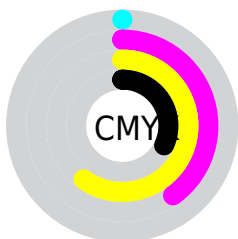
# Distribution



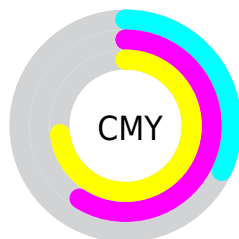
- Red (68%)
- Green (41%)
- Blue (27%)



- Red (68%)
- Yellow (48%)
- Blue (27%)



- Cyan (0%)
- Magenta (40%)
- Yellow (60%)
- Black (32%)




- Cyan (32%)
- Magenta (59%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2581, 19.2145, 8.1132 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 23.2581, 19.2145, 8.1132 by changing the saturation by 10% instead.





 23.2581, 19.2145,  
8.1132


 23.2581, 19.2145,  
8.1132


261.5585,  
247.6304, 186.5849


 14.9059, 11.8254,  
4.0787


 48.2803, 42.0962,  
22.7299

 8.8393, 6.6249,  
1.6686


 65.6811, 58.3576,  
34.1491

 4.6928, 3.2286,  
0.3391

 86.8288, 78.3453,  
48.8670

 2.1010, 1.2522,  
0.0000

 112.0888,  
102.4435, 67.3020

 0.6898, 0.1038,  
0.0000

 141.8264,  
131.0367, 89.8728

 0.0000, 0.0000,  
0.0000

176.4070,

164.5093, 116.9978

216.1959,  
203.2458, 149.0957

■ 23.2581, 19.2145,  
8.1132

■ 23.2581, 19.2145,  
8.1132

■ 21.7197, 16.8755,  
5.3262

■ 25.1113, 21.9326,  
11.7778

■ 20.4743, 14.8944,  
3.3397

■ 27.2961, 25.0438,  
16.3861

■ 19.4991, 13.2521,  
2.0647

■ 29.8299, 28.5647,  
21.9988

■ 18.7581, 11.9333,  
1.3147

■ 32.7282, 32.5102,  
28.6714

■ 36.0054, 36.8942,  
36.4552

■ 39.6755, 41.7303,  
45.3981

■ 43.7512, 47.0310,  
55.5452

■ 48.2451, 52.8088,  
66.9394

■ 53.1690, 59.0753,  
79.6211

# Harmonies

## Analogous

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



26.1309, 19.2145, 13.7970



23.2581, 19.2145, 8.1132



19.2972, 19.2145, 6.0311

# Triad

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



23.2581, 19.2145, 8.1132



11.7887, 19.2145, 18.1457



21.2522, 19.2145, 47.8021

# Complementary

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



23.2581, 19.2145, 8.1132



19.0851, 22.4584, 42.8641

# 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.



17.2660, 19.2145, 50.2718



23.2581, 19.2145, 8.1132



12.1576, 19.2145, 30.1531

# Square

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



23.2581, 19.2145, 8.1132



12.9484, 19.2145, 10.3216



14.0394, 19.2145, 42.9323



24.8626, 19.2145, 37.0479



# Rectangle

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



23.2581, 19.2145, 8.1132



16.7187, 19.2145, 6.1585



14.0394, 19.2145, 42.9323



19.8991, 19.2145, 49.7534

# Sweetspot

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



23.2586, 19.2155, 8.1136



59.6206, 59.5792, 53.7094



23.9734, 14.9853, 25.8005



12.6159, 12.4881, 10.8733



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



23.2586, 19.2155, 8.1136



38.1431, 29.0403, 8.2730



30.1404, 32.9792, 10.4075



8.2173, 8.4395, 8.4092



13.8287, 8.8629, 0.9819



0.4360, 0.3493, 0.0444



# Inverse Universe

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



19.0851, 22.4584, 42.8641



29.9266, 35.2118, 76.0250



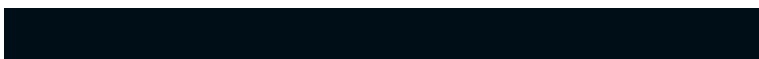
13.3517, 10.9915, 40.9529



8.0058, 8.6110, 10.1928



10.0805, 11.2949, 30.6933



0.3282, 0.4097, 0.8698



# Previews

## White Background



This preview shows how the XYZ color 23.2581, 19.2145, 8.1132 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 23.2581, 19.2145, 8.1132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

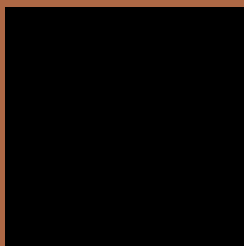
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 23.2581, 19.2145, 8.1132**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.2581, 19.2145, 8.1132.



This preview shows how white text looks on a background with the XYZ color 23.2581, 19.2145,



# 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

23.2581, 19.2145, 8.1132

### Protanopia

17.9369, 19.4274, 9.6420

### Deuteranopia

19.6232, 19.2737, 7.8402



## Tritanopia

25.0202, 19.2153, 16.3001

# Trichromacy



## Original Color

23.2581, 19.2145, 8.1132

## Protanomaly

19.5461, 19.0384, 8.9479

## Deuteranomaly

20.9078, 19.2627, 7.9263

## Tritanomaly

24.3087, 19.2116, 12.7829

# Monochromacy



## Original Color

23.2581, 19.2145, 8.1132

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

19.3442, 18.7962, 15.1789

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.2581, 19.2145, 8.1132 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(173, 104, 69)` looks like.

```
.text, #text, p{  
    color:rgb(173, 104, 69)  
}
```

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(173, 104, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 104, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 23.2581, 19.2145, 8.1132 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(173, 104, 69) }
```



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

```
.border{ border-color:rgb(173, 104, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 104, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 104, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 104, 69);  
box-shadow:4px 4px 4px 4px rgb(173, 104,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.2581, 19.2145, 8.1132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 104, 69) }
```

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

```
.background{ background-color: rgb(173,  
104, 69) }
```

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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