

Converting Colors

XYZ(23.1332, 24.2628, 13.2266)

Have a look what the booklet for
XYZ(23.1332, 24.2628, 13.2266)
contains.

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Color

**XYZ(23.1331, 24.3677,
13.1571)**

Conversions

Conversions Part 1

Format	Color
Hex	97865A
RGB	151, 134, 90
RGB Percent	59%, 53%, 35%
CMY	0.4078, 0.4745, 0.6471
CMYK	0.00, 0.11, 0.40, 0.41
HSL	43°, 25%, 47%
HSV	43°, 40%, 59%
XYZ	23.1331, 24.3677, 13.1571
YIQ	134.0670, 24.2560, -10.0800

Conversions

Conversions Part 2

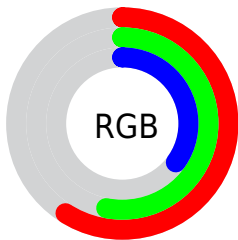
Format	Color
RYB	114, 151, 90
Decimal	9930330
CIELab	56.45, -0.12, 26.04
CIElCh	56, 26.044, 90.274
Yxy	24.3677, 0.3814, 0.4017
Android (android.graphics.Color)	4288120410 (0xFF97865A)
YUV	134.0670, -21.7250, 14.8502
Hunter-Lab	49.3637, -2.7366, 18.7517

Details

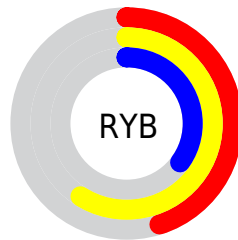
The XYZ color **23.1331, 24.3677, 13.1571** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.0600, 14.9230, 31.3649**, and the grayscale version is **22.7563, 23.9414, 26.0722**.

A 20% lighter version of the original color is **48.0316, 50.5855, 32.4318**, and **8.8301, 9.3241, 3.6198** is the 20% darker color. If you saturate the color by 10%, you get **21.9848, 22.9972, 9.9191**, and if you desaturate by 10%, it is **24.4364, 25.8390, 17.0915**.

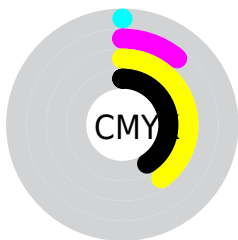
Distribution



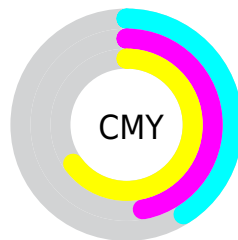
- Red (59%)
- Green (53%)
- Blue (35%)



- Red (45%)
- Yellow (59%)
- Blue (35%)



- Cyan (0%)
- Magenta (11%)
- Yellow (40%)
- Black (41%)



- Cyan (41%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1331, 24.3677, 13.1571 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 23.1331, 24.3677, 13.1571 by changing the saturation by 10% instead.

■ 23.1331, 24.3677,
13.1571

■ 23.1331, 24.3677,
13.1571

260.9305,
274.6742, 223.1651

■ 14.8131, 15.6066,
7.4048

■ 48.0768, 50.6296,
32.2810

■ 8.7737, 9.2462,
3.6343

■ 65.4312, 68.8991,
46.4898

■ 4.6498, 4.9021,
1.4269

■ 86.5278, 91.1070,
64.3544

■ 2.0759, 2.1899,
0.1626

■ 111.7319,
117.6375, 86.2935

■ 0.6761, 0.7145,
0.0000

■ 141.4088,
148.8751, 112.7256

■ 0.0000, 0.0000,
0.0000

175.9240,

185.2041, 144.0692

215.6428,
227.0091, 180.7429

■ 23.1331, 24.3677,
13.1571

■ 23.1331, 24.3677,
13.1571

■ 21.9848, 22.9972,
9.9191

■ 24.4364, 25.8390,
17.0915

■ 20.9813, 21.7203,
7.3341

■ 25.9004, 27.4111,
21.7593

■ 20.1143, 20.5342,
5.3560

■ 27.5326, 29.0884,
27.1967

■ 19.3735, 19.4343,
3.9319

■ 29.3398, 30.8739,
33.4369

■ 18.7467, 18.4153,
3.0000

■ 31.3280, 32.7705,
40.5114

■ 18.2233, 17.5009,
2.4175

■ 33.5030, 34.7809,
48.4497

■ 35.8706, 36.9077,
57.2801

■ 38.4360, 39.1535,
67.0294

■ 41.2044, 41.5206,
77.7234

Harmonies

Analogous

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



26.1544, 24.3677, 14.5731



23.1331, 24.3677, 13.1571



20.3607, 24.3677, 14.6263

Triad

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



23.1331, 24.3677, 13.1571



18.5084, 24.3677, 35.8082



28.5658, 24.3677, 35.6408

Complementary

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



23.1331, 24.3677, 13.1571



15.0600, 14.9230, 31.3649

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.



26.2064, 24.3677, 43.5991



23.1331, 24.3677, 13.1571



20.4048, 24.3677, 43.7095

Square

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



23.1331, 24.3677, 13.1571



17.8363, 24.3677, 26.6116



23.1885, 24.3677, 46.8267



29.4517, 24.3677, 26.4531

Rectangle

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



23.1331, 24.3677, 13.1571



18.9840, 24.3677, 17.2768



23.1885, 24.3677, 46.8267



27.9092, 24.3677, 38.6142

Sweetspot

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



23.1337, 24.3688, 13.1576



48.7453, 51.5255, 46.8039



19.0877, 14.9595, 15.8700



10.9994, 11.6299, 10.3696



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.1337, 24.3688, 13.1576



39.6509, 41.5271, 18.5226



23.3577, 28.2563, 13.8962



6.5634, 6.9318, 6.5979



15.5278, 14.9379, 2.0649



0.2621, 0.2833, 0.0409

Inverse Universe

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



15.0600, 14.9230, 31.3649



23.2613, 22.3653, 55.5246



14.8608, 12.4434, 30.8968



6.0176, 6.2926, 7.8264



5.4802, 3.3570, 25.2668



0.1096, 0.1055, 0.3870

Previews

White Background



This preview shows how the XYZ color 23.1331, 24.3677, 13.1571 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 23.1331, 24.3677, 13.1571 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 23.1331, 24.3677, 13.1571

Background



This preview shows how black text looks on a background with the XYZ color 23.1331, 24.3677, 13.1571.



This preview shows how white text looks on a background with the XYZ color 23.1331, 24.3677,

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

23.1331, 24.3677, 13.1571

Protanopia

22.5849, 24.2863, 13.3949

Deuteranopia

24.7713, 24.4020, 13.3020



Tritanopia

26.0169, 24.3412, 27.3718

Trichromacy



Original Color

23.1331, 24.3677, 13.1571

Protanomaly

22.7650, 24.3792, 13.4033

Deuteranomaly

24.1052, 24.2570, 13.3091

Tritanomaly

24.7602, 24.2158, 21.4583

Monochromacy



Original Color

23.1331, 24.3677, 13.1571

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.6103, 23.9336, 20.5675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1331, 24.3677, 13.1571 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(151, 134, 90)` looks like.

```
.text, #text, p{  
    color:rgb(151, 134, 90)  
}
```

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(151, 134, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 134, 90) }
```

Border

The CSS property to change the border of an element to XYZ 23.1331, 24.3677, 13.1571 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(151, 134, 90) }
```


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

```
.border{ border-color:rgb(151, 134, 90) }
```

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

Here you see how a box with a 4 pixel rgb(151, 134, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 134, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 134, 90);  
box-shadow:4px 4px 4px 4px rgb(151, 134,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1331, 24.3677, 13.1571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 134, 90) }
```

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

```
.background{ background-color: rgb(151,  
134, 90) }
```

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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