

Converting Colors

XYZ(23.1914, 28.2317, 17.1759)

Have a look what the booklet for
XYZ(23.1914, 28.2317, 17.1759)
contains.

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Color

**XYZ(23.1921, 28.3413,
17.0800)**

Conversions

Conversions Part 1

Format	Color
Hex	849867
RGB	132, 152, 103
RGB Percent	52%, 60%, 40%
CMY	0.4824, 0.4039, 0.5961
CMYK	0.13, 0.00, 0.32, 0.40
HSL	84°, 19%, 50%
HSV	84°, 32%, 60%
XYZ	23.1921, 28.3413, 17.0800
YIQ	140.4340, 3.8090, -19.4790

Conversions

Conversions Part 2

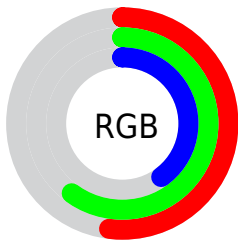
Format	Color
RYB	103, 152, 123
Decimal	8689767
CIELab	60.20, -15.99, 23.51
CIElCh	60, 28.430, 124.218
Yxy	28.3413, 0.3380, 0.4131
Android (android.graphics.Color)	4286879847 (0xFF849867)
YUV	140.4340, -18.4550, -7.3966
Hunter-Lab	53.2365, -15.4018, 18.2434

Details

The XYZ color **23.1921, 28.3413, 17.0800** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.6873, 16.1793, 31.8454**, and the grayscale version is **25.1654, 26.4760, 28.8324**.

A 20% lighter version of the original color is **48.1537, 56.9148, 39.0195**, and **8.8229, 11.3770, 5.3454** is the 20% darker color. If you saturate the color by 10%, you get **21.5560, 27.5790, 13.3765**, and if you desaturate by 10%, it is **25.0261, 29.1913, 21.5180**.

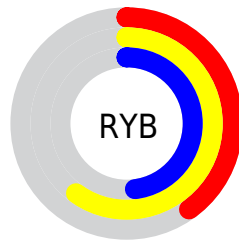
Distribution



Red (52%)

Green (60%)

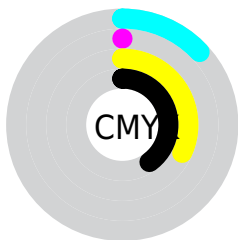
Blue (40%)



Red (40%)

Yellow (60%)

Blue (48%)

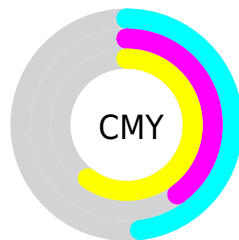


Cyan (13%)

Magenta (0%)

Yellow (32%)

Black (40%)



Cyan (48%)


Magenta (40%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1921, 28.3413, 17.0800 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 23.1921, 28.3413, 17.0800 by changing the saturation by 10% instead.


 23.1921, 28.3413,
17.0800


 23.1921, 28.3413,
17.0800


261.2271,
294.0942, 247.6925


 14.8569, 18.5831,
10.1290


 48.1729, 57.0289,
39.2558


 8.8047, 11.3694,
5.3778


 65.5492, 76.7271,
55.3177

 4.6701, 6.3159,
2.4080


 86.6699, 100.5073,
75.2536

 2.0878, 3.0381,
0.7908

 111.9004,
128.7541, 99.4821

 0.6826, 1.1517,
0.0000

141.6060,
161.8518, 128.4217

 0.0000, 0.0217,
0.0000

176.1521,

 0.0000, 0.0000,

200.1848, 162.4909

0.0000

215.9040,
244.1374, 202.1083

■ 23.1921, 28.3413,
17.0800

■ 23.1921, 28.3413,
17.0800

■ 21.5560, 27.5790,
13.3765

■ 25.0261, 29.1913,
21.5180

■ 20.1072, 26.8973,
10.3661

■ 27.0637, 30.1286,
26.7253

■ 18.8370, 26.2934,
8.0058


■ 29.3132, 31.1575,
32.7367


■ 17.7354, 25.7632,
6.2473


■ 31.7815, 32.2810,
39.5845


■ 16.7906, 25.3021,
5.0357


■ 34.4754, 33.5018,
47.2990


 15.9894, 24.9043,
4.3057

 37.4011, 34.8225,
55.9091

 15.4407, 24.6290,
3.9401

 40.5648, 36.2457,
65.4424

 43.9723, 37.7738,
75.9251

 47.6292, 39.4092,
87.3826

Harmonies

Analogous

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



26.4263, 28.3413, 14.8806



23.1921, 28.3413, 17.0800



21.1167, 28.3413, 22.9393

Triad

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



23.1921, 28.3413, 17.0800



24.0080, 28.3413, 52.6428



34.5337, 28.3413, 29.4087

Complementary

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



23.1921, 28.3413, 17.0800



18.6873, 16.1793, 31.8454

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.



33.7404, 28.3413, 40.4188



23.1921, 28.3413, 17.0800



27.4554, 28.3413, 55.4615

Square

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



23.1921, 28.3413, 17.0800



21.5572, 28.3413, 43.5518



31.0660, 28.3413, 50.5669



33.1461, 28.3413, 20.9081

Rectangle

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



23.1921, 28.3413, 17.0800



20.5599, 28.3413, 28.8842



31.0660, 28.3413, 50.5669



34.5140, 28.3413, 32.9216

Sweetspot

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



23.1928, 28.3425, 17.0806



48.5480, 53.5348, 49.2207



22.4316, 21.7225, 15.8429



10.9217, 12.1161, 10.8908



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.



23.1928, 28.3425, 17.0806



38.7311, 48.9975, 25.1134



19.8495, 26.6190, 16.9241



6.4649, 7.0971, 6.6350



12.9817, 20.6682, 3.3052



0.2352, 0.3302, 0.0513

Inverse Universe

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



18.6873, 16.1793, 31.8454



29.4617, 23.9625, 55.5061



22.5694, 18.1805, 32.0271



6.1113, 6.1433, 7.7926



6.4539, 2.7782, 25.1038



0.1362, 0.0620, 0.3772

Previews

White Background



This preview shows how the XYZ color 23.1921, 28.3413, 17.0800 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 23.1921, 28.3413, 17.0800 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 23.1921, 28.3413, 17.0800

Background



This preview shows how black text looks on a background with the XYZ color 23.1921, 28.3413, 17.0800.



This preview shows how white text looks on a background with the XYZ color 23.1921, 28.3413,

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

23.1921, 28.3413, 17.0800

Protanopia

26.3303, 28.3390, 16.1388

Deuteranopia

28.6287, 28.1638, 17.5629



Tritanopia

27.0264, 28.2606, 35.9287

Trichromacy



Original Color

23.1921, 28.3413, 17.0800

Protanomaly

25.1516, 28.4153, 16.4710

Deuteranomaly

26.4277, 28.1345, 17.4022

Tritanomaly

25.4218, 28.3043, 27.7903

Monochromacy



Original Color

23.1921, 28.3413, 17.0800

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.1206, 26.7972, 23.9798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1921, 28.3413, 17.0800 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(132, 152, 103)` looks like.

```
.text, #text, p{  
    color:rgb(132, 152, 103)  
}
```

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(132, 152, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 152, 103) }
```

Border

The CSS property to change the border of an element to XYZ 23.1921, 28.3413, 17.0800 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(132, 152, 103) }
```


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

```
.border{ border-color:rgb(132, 152, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 152, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 152, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 152, 103);  
box-shadow:4px 4px 4px 4px rgb(132, 152,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1921, 28.3413, 17.0800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 152, 103) }
```

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

```
.background{ background-color: rgb(132,  
152, 103) }
```

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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