

Converting Colors

XYZ(23.1013, 28.3987, 13.2425)

Have a look what the booklet for
XYZ(23.1013, 28.3987, 13.2425)
contains.

XYZ(23.1019, 28.3788, 13.2769)	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(23.1019, 28.3788,
13.2769)**

Conversions

Conversions Part 1

Format	Color
Hex	889857
RGB	136, 152, 87
RGB Percent	53%, 60%, 34%
CMY	0.4667, 0.4039, 0.6588
CMYK	0.11, 0.00, 0.43, 0.40
HSL	75°, 27%, 47%
HSV	75°, 43%, 60%
XYZ	23.1019, 28.3788, 13.2769
YIQ	139.8060, 11.3290, -23.6070

Conversions

Conversions Part 2

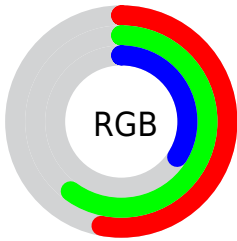
Format	Color
RYB	87, 152, 103
Decimal	8951895
CIELab	60.23, -16.54, 32.25
CIElCh	60, 36.246, 117.146
Yxy	28.3788, 0.3567, 0.4382
Android (android.graphics.Color)	4287141975 (0xFF889857)
YUV	139.8060, -26.0334, -3.3379
Hunter-Lab	53.2718, -15.8170, 22.5134

Details

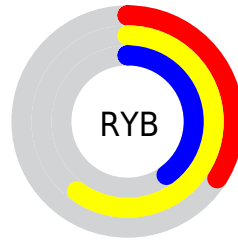
The XYZ color **23.1019, 28.3788, 13.2769** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.6703, 11.9677, 31.2441**, and the grayscale version is **24.9473, 26.2465, 28.5824**.

A 20% lighter version of the original color is **47.8940, 56.9247, 32.5080**, and **8.7662, 11.3851, 3.6550** is the 20% darker color. If you saturate the color by 10%, you get **21.9482, 27.8493, 10.3157**, and if you desaturate by 10%, it is **24.4090, 28.9741, 16.9291**.

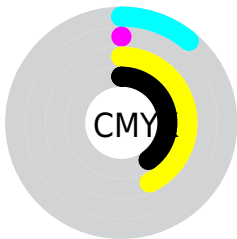
Distribution



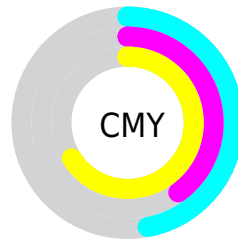
- Red (53%)
- Green (60%)
- Blue (34%)



- Red (34%)
- Yellow (60%)
- Blue (40%)



- Cyan (11%)
- Magenta (0%)
- Yellow (43%)
- Black (40%)



- Cyan (47%)
- Magenta (40%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1019, 28.3788, 13.2769 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 23.1019, 28.3788, 13.2769 by changing the saturation by 10% instead.

■ 23.1019, 28.3788,
13.2769

■ 23.1019, 28.3788,
13.2769

260.7735,
294.2726, 223.9545

■ 14.7899, 18.6114,
7.4865

■ 48.0260, 57.0886,
32.4988

■ 8.7574, 11.3898,
3.6852

■ 65.3688, 76.7999,
46.7674

■ 4.6391, 6.3297,
1.4543

■ 86.4526, 100.5945,
64.6992

■ 2.0697, 3.0466,
0.1835

■ 111.6427,
128.8570, 86.7127

■ 0.6727, 1.1561,
0.0000

■ 141.3045,
161.9716, 113.2264

■ 0.0000, 0.0254,
0.0000

175.8033,

■ 0.0000, 0.0000,

200.3228, 144.6590

0.0000

215.5045,
244.2950, 181.4288

■ 23.1019, 28.3788,
13.2769

■ 23.1019, 28.3788,
13.2769

■ 21.9482, 27.8493,
10.3157

■ 24.4090, 28.9741,
16.9291

■ 20.9373, 27.3784,
8.0000

■ 25.8753, 29.6345,
21.3103

■ 20.0605, 26.9635,
6.2819

■ 27.5085, 30.3642,
26.4578

■ 19.3070, 26.6003,
5.1059

■ 29.3154, 31.1659,
32.4060

■ 18.6642, 26.2838,
4.4062

■ 31.3023, 32.0422,
39.1870

■ 18.2440, 26.0741,
4.0712

■ 33.4753, 32.9954,
46.8314

■ 35.8399, 34.0280,
55.3680

■ 38.4016, 35.1419,
64.8245

■ 41.1656, 36.3394,
75.2271

Harmonies

Analogous

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



27.4201, 28.3788, 11.7537



23.1019, 28.3788, 13.2769



20.1478, 28.3788, 19.0023

Triad

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



23.1019, 28.3788, 13.2769



22.4146, 28.3788, 57.7354



36.9070, 28.3788, 32.1900

Complementary

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



23.1019, 28.3788, 13.2769



14.6703, 11.9677, 31.2441

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.



35.1884, 28.3788, 46.9469



23.1019, 28.3788, 13.2769



26.5312, 28.3788, 64.1115

Square

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



23.1019, 28.3788, 13.2769



19.7842, 28.3788, 44.0933



31.2545, 28.3788, 59.6878



35.7216, 28.3788, 20.6415

Rectangle

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



23.1019, 28.3788, 13.2769



19.1728, 28.3788, 25.5543



31.2545, 28.3788, 59.6878



36.6456, 28.3788, 36.9430

Sweetspot

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



23.1026, 28.3801, 13.2775



48.4045, 53.5271, 46.2210



19.4379, 16.8999, 11.2548



10.8616, 12.1036, 10.0567



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.



23.1026, 28.3801, 13.2775



38.8867, 49.2227, 18.5688



18.6972, 26.1090, 13.0713



6.5603, 7.1463, 6.6395



15.3254, 21.8764, 3.4148



0.2611, 0.3435, 0.0525

Inverse Universe

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



14.6703, 11.9677, 31.2441



22.0722, 16.4611, 54.4476



19.0148, 14.2074, 31.4474



6.0199, 6.0961, 7.7884



5.4294, 2.2500, 25.0558



0.1103, 0.0487, 0.3759

Previews

White Background



This preview shows how the XYZ color 23.1019, 28.3788, 13.2769 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 23.1019, 28.3788, 13.2769 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

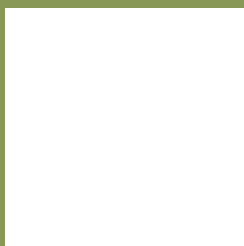
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1019, 28.3788, 13.2769

Background



This preview shows how black text looks on a background with the XYZ color 23.1019, 28.3788, 13.2769.



This preview shows how white text looks on a background with the XYZ color 23.1019, 28.3788,

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

23.1019, 28.3788, 13.2769

Protanopia

26.0237, 28.2618, 12.4710

Deuteranopia

28.6131, 28.0291, 13.5749



Tritanopia

27.5667, 28.3328, 35.0262

Trichromacy



Original Color

23.1019, 28.3788, 13.2769

Protanomaly

24.9921, 28.4150, 12.7617

Deuteranomaly

26.3236, 27.9433, 13.4574

Tritanomaly

25.6183, 28.2299, 25.2178

Monochromacy



Original Color

23.1019, 28.3788, 13.2769

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.0719, 26.8160, 21.9964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1019, 28.3788, 13.2769 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(136, 152, 87)` looks like.

```
.text, #text, p{  
    color:rgb(136, 152, 87)  
}
```

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(136, 152, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 152, 87) }
```

Border

The CSS property to change the border of an element to XYZ 23.1019, 28.3788, 13.2769 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(136, 152, 87) }
```


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

```
.border{ border-color:rgb(136, 152, 87) }
```

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

Here you see how a box with a 4 pixel rgb(136, 152, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 152, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 152, 87);  
box-shadow:4px 4px 4px 4px rgb(136, 152,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1019, 28.3788, 13.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 152, 87) }
```

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

```
.background{ background-color: rgb(136,  
152, 87) }
```

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