

Converting Colors

XYZ(23.5559, 28.2944, 16.8435)

Have a look what the booklet for
XYZ(23.5559, 28.2944, 16.8435)
contains.

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Color

**XYZ(23.6182, 28.3268,
16.7932)**

Conversions

Conversions Part 1

Format	Color
Hex	889766
RGB	136, 151, 102
RGB Percent	53%, 59%, 40%
CMY	0.4667, 0.4078, 0.6000
CMYK	0.10, 0.00, 0.32, 0.41
HSL	78°, 19%, 50%
HSV	78°, 32%, 59%
XYZ	23.6182, 28.3268, 16.7932
YIQ	140.9290, 6.7890, -18.4190

Conversions

Conversions Part 2

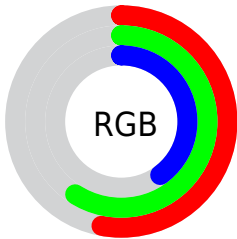
Format	Color
RYB	102, 151, 117
Decimal	8951654
CIELab	60.18, -14.03, 24.09
CIElCh	60, 27.881, 120.212
Yxy	28.3268, 0.3436, 0.4121
Android (android.graphics.Color)	4287141734 (0xFF889766)
YUV	140.9290, -19.1920, -4.3227
Hunter-Lab	53.2229, -13.9290, 18.5485

Details

The XYZ color **23.6182, 28.3268, 16.7932** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.6746, 15.5199, 31.3439**, and the grayscale version is **25.3612, 26.6820, 29.0567**.

A 20% lighter version of the original color is **48.8163, 56.9097, 38.5488**, and **8.9693, 11.3120, 5.2007** is the 20% darker color. If you saturate the color by 10%, you get **22.2020, 27.6764, 13.1676**, and if you desaturate by 10%, it is **25.2047, 29.0510, 21.1401**.

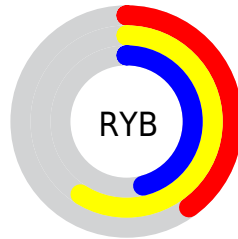
Distribution



Red (53%)

Green (59%)

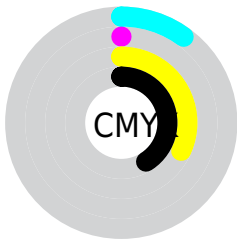
Blue (40%)



Red (40%)

Yellow (59%)

Blue (46%)

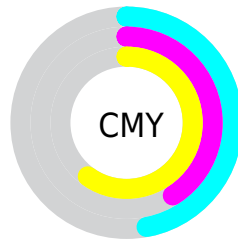


Cyan (10%)

Magenta (0%)

Yellow (32%)

Black (41%)



Cyan (47%)

Magenta (41%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6182, 28.3268, 16.7932 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 23.6182, 28.3268, 16.7932 by changing the saturation by 10% instead.

■ 23.6182, 28.3268,
16.7932

■ 23.6182, 28.3268,
16.7932

263.3609,
294.0252, 245.9813

■ 15.1738, 18.5722,
9.9268

■ 48.8657, 57.0058,
38.7556

■ 9.0286, 11.3615,
5.2455

■ 66.3995, 76.6989,
54.6887

■ 4.8171, 6.3106,
2.3307

■ 87.6938, 100.4736,
74.4811

■ 2.1740, 3.0348,
0.7484

■ 113.1141,
128.7143, 98.5513

■ 0.7290, 1.1499,
0.0000

143.0255,
161.8055, 127.3179

■ 0.0000, 0.0202,
0.0000

177.7936,

■ 0.0000, 0.0000,

200.1314, 161.1994

0.0000

217.7836,
244.0765, 200.6143

■ 23.6182, 28.3268,
16.7932

■ 23.6182, 28.3268,
16.7932

■ 22.2020, 27.6764,
13.1676

■ 25.2047, 29.0510,
21.1401

■ 20.9461, 27.0928,
10.2223

■ 26.9666, 29.8482,
26.2425

■ 19.8426, 26.5739,
7.9153

■ 28.9114, 30.7223,
32.1347

■ 18.8823, 26.1158,
6.1988

■ 31.0454, 31.6761,
38.8485

■ 18.0542, 25.7142,
5.0186

■ 33.3748, 32.7119,
46.4136

■ 17.3458, 25.3639,
4.3104

■ 35.9053, 33.8321,
54.8586

■ 16.8657, 25.1237,
3.9604

■ 38.6423, 35.0390,
64.2105

■ 41.5913, 36.3346,
74.4953

■ 44.7572, 37.7211,
85.7378

Harmonies

Analogous

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



26.8984, 28.3268, 15.0765



23.6182, 28.3268, 16.7932



21.3998, 28.3268, 22.0785

Triad

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



23.6182, 28.3268, 16.7932



23.6585, 28.3268, 51.2215



34.3804, 28.3268, 30.7705

Complementary

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



23.6182, 28.3268, 16.7932



17.6746, 15.5199, 31.3439

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.



33.3249, 28.3268, 41.6655



23.6182, 28.3268, 16.7932



26.9491, 28.3268, 54.9475

Square

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



23.6182, 28.3268, 16.7932



21.4215, 28.3268, 41.8194



30.5242, 28.3268, 51.1197



33.2957, 28.3268, 21.9780

Rectangle

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



23.6182, 28.3268, 16.7932



20.7153, 28.3268, 27.6231



30.5242, 28.3268, 51.1197



34.2631, 28.3268, 34.3040

Sweetspot

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



23.6189, 28.3281, 16.7938



49.0461, 53.7916, 49.2440



21.4882, 20.1923, 15.3358



11.0485, 12.1815, 10.8967



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.



23.6189, 28.3281, 16.7938



40.4075, 49.8617, 25.1919



20.1225, 26.5256, 16.6302



6.5247, 7.1280, 6.6378



14.3772, 21.3876, 3.3705



0.2515, 0.3386, 0.0521

Inverse Universe

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



17.6746, 15.5199, 31.3439



28.0589, 23.2393, 55.4404



21.3569, 17.4181, 31.5162



6.0535, 6.1135, 7.7899



5.7460, 2.4132, 25.0707



0.1199, 0.0536, 0.3764

Previews

White Background



This preview shows how the XYZ color 23.6182, 28.3268, 16.7932 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 23.6182, 28.3268, 16.7932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

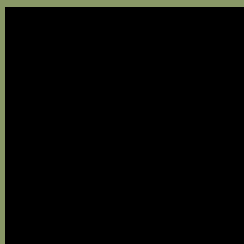
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6182, 28.3268, 16.7932

Background



This preview shows how black text looks on a background with the XYZ color 23.6182, 28.3268, 16.7932.



This preview shows how white text looks on a background with the XYZ color 23.6182, 28.3268,

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

23.6182, 28.3268, 16.7932

Protanopia

26.2822, 28.3197, 15.8854

Deuteranopia

28.7957, 28.2558, 17.3008



Tritanopia

27.3017, 28.1865, 35.4541

Trichromacy



Original Color

23.6182, 28.3268, 16.7932

Protanomaly

25.1284, 28.1771, 16.1709

Deuteranomaly

26.6192, 28.0153, 17.1012

Tritanomaly

25.6929, 28.2205, 27.3855

Monochromacy



Original Color

23.6182, 28.3268, 16.7932

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.6036, 27.2721, 24.0460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6182, 28.3268, 16.7932 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, 151, 102)` looks like.

```
.text, #text, p{  
    color:rgb(136, 151, 102)  
}
```

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, 151, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 151, 102) }
```

Border

The CSS property to change the border of an element to XYZ 23.6182, 28.3268, 16.7932 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, 151, 102) }
```


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

```
.border{ border-color:rgb(136, 151, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 151, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 151, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 151, 102);  
box-shadow:4px 4px 4px 4px rgb(136, 151,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6182, 28.3268, 16.7932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 151, 102) }
```

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

```
.background{ background-color: rgb(136,  
151, 102) }
```

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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