

Converting Colors

XYZ(23.3151, 28.6712, 16.1137)

Have a look what the booklet for
XYZ(23.3151, 28.6712, 16.1137)
contains.

XYZ(23.3162, 28.6699, 16.1093)	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(23.3162, 28.6699,
16.1093)**

Conversions

Conversions Part 1

Format	Color
Hex	859963
RGB	133, 153, 99
RGB Percent	52%, 60%, 39%
CMY	0.4784, 0.4000, 0.6118
CMYK	0.13, 0.00, 0.35, 0.40
HSL	82°, 21%, 49%
HSV	82°, 35%, 60%
XYZ	23.3162, 28.6699, 16.1093
YIQ	140.8640, 5.4140, -21.0340

Conversions

Conversions Part 2

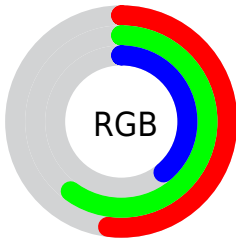
Format	Color
R_{YB}	99, 153, 119
Decimal	8755555
CIE _{Lab}	60.49, -16.70, 26.10
CIE _{LCh}	60, 30.982, 122.608
Yxy	28.6699, 0.3424, 0.4210
Android (android.graphics.Color)	4286945635 (0xFF859963)
YUV	140.8640, -20.6390, -6.8967
Hunter-Lab	53.5443, -15.9735, 19.6430

Details

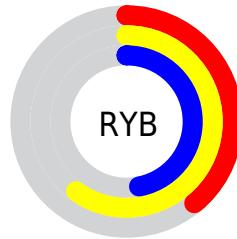
The XYZ color **23.3162, 28.6699, 16.1093** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.8206, 15.1463, 32.1230**, and the grayscale version is **25.3416, 26.6613, 29.0342**.

A 20% lighter version of the original color is **48.3114, 57.3925, 37.3857**, and **8.8286, 11.5356, 4.8932** is the 20% darker color. If you saturate the color by 10%, you get **21.7824, 27.9567, 12.5744**, and if you desaturate by 10%, it is **25.0384, 29.4659, 20.3777**.

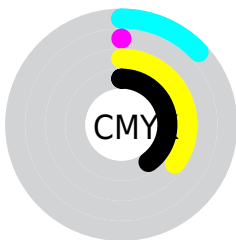
Distribution



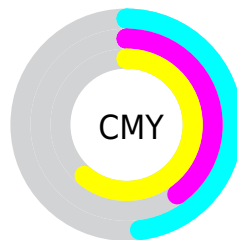
- Red (52%)
- Green (60%)
- Blue (39%)



- Red (39%)
- Yellow (60%)
- Blue (47%)



- Cyan (13%)
- Magenta (0%)
- Yellow (35%)
- Black (40%)



- Cyan (48%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3162, 28.6699, 16.1093 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 23.3162, 28.6699, 16.1093 by changing the saturation by 10% instead.

■ 23.3162, 28.6699,
16.1093

■ 23.3162, 28.6699,
16.1093

261.8500,
295.6543, 241.8535

■ 14.9491, 18.8312,
9.4463

■ 48.3749, 57.5522,
37.5573

■ 8.8698, 11.5484,
4.9327

■ 65.7972, 77.3647,
53.1794

■ 4.7128, 6.4370,
2.1498

■ 86.9686, 101.2705,
72.6249

■ 2.1128, 3.1126,
0.6452

■ 112.2545,
129.6541, 96.3125

■ 0.6961, 1.1908,
0.0000

142.0202,
162.8999, 124.6606

■ 0.0000, 0.0542,
0.0000

176.6312,

■ 0.0000, 0.0000,

201.3922, 158.0878

0.0000

216.4527,
245.5156, 197.0125

■ 23.3162, 28.6699,
16.1093

■ 23.3162, 28.6699,
16.1093

■ 21.7824, 27.9567,
12.5744

■ 25.0384, 29.4659,
20.3777

■ 20.4261, 27.3191,
9.7297

■ 26.9547, 30.3443,
25.4158

■ 19.2388, 26.7545,
7.5304


■ 29.0734, 31.3094,
31.2597


■ 18.2099, 26.2585,
5.9255


■ 31.4015, 32.3640,
37.9428


■ 17.3276, 25.8264,
4.8563


■ 33.9455, 33.5110,
45.4963


 16.5762, 25.4518,
4.2458

 36.7119, 34.7529,
53.9502

 16.2502, 25.2883,
4.0247

 39.7067, 36.0921,
63.3327

 42.9356, 37.5312,
73.6709

 46.4042, 39.0724,
84.9910

Harmonies

Analogous

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



26.9018, 28.6699, 13.9930



23.3162, 28.6699, 16.1093



20.9824, 28.6699, 22.1492

Triad

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



23.3162, 28.6699, 16.1093



23.8661, 28.6699, 55.1086



35.6669, 28.6699, 30.2262

Complementary

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



23.3162, 28.6699, 16.1093



17.8206, 15.1463, 32.1230

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.



34.6555, 28.6699, 42.4722



23.3162, 28.6699, 16.1093



27.6009, 28.6699, 58.7561

Square

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



23.3162, 28.6699, 16.1093



21.2774, 28.6699, 44.6370



31.6028, 28.6699, 53.6593



34.2469, 28.6699, 20.7983

Rectangle

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



23.3162, 28.6699, 16.1093



20.3195, 28.6699, 28.4708



31.6028, 28.6699, 53.6593



35.6001, 28.6699, 34.1336

Sweetspot

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



23.3169, 28.6712, 16.1099



49.7728, 55.0259, 49.6037



21.9631, 20.8202, 14.6659



10.8896, 12.1043, 10.6771



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.



23.3169, 28.6712, 16.1099



39.6547, 50.3669, 23.9608



19.6120, 26.7612, 15.9365



6.4870, 7.1085, 6.6360



13.4674, 20.9186, 3.3279



0.2412, 0.3333, 0.0516

Inverse Universe

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



17.8206, 15.1463, 32.1230



28.3780, 22.6022, 56.8390



22.0312, 17.3170, 32.3200



6.0898, 6.1322, 7.7916



6.1658, 2.6296, 25.0903



0.1302, 0.0589, 0.3769

Previews

White Background



This preview shows how the XYZ color 23.3162, 28.6699, 16.1093 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 23.3162, 28.6699, 16.1093 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 23.3162, 28.6699, 16.1093

Background



This preview shows how black text looks on a background with the XYZ color 23.3162, 28.6699, 16.1093.



This preview shows how white text looks on a background with the XYZ color 23.3162, 28.6699,

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

23.3162, 28.6699, 16.1093

Protanopia

26.4908, 28.6714, 15.2043

Deuteranopia

28.8645, 28.3088, 16.5132



Tritanopia

27.3492, 28.6548, 35.9878

Trichromacy



Original Color

23.3162, 28.6699, 16.1093

Protanomaly

25.2995, 28.7475, 15.5247

Deuteranomaly

26.4228, 28.1552, 16.3538

Tritanomaly

25.6726, 28.6757, 27.4744

Monochromacy



Original Color

23.3162, 28.6699, 16.1093

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.3725, 27.1604, 23.6966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3162, 28.6699, 16.1093 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(133, 153, 99)` looks like.

```
.text, #text, p{  
    color:rgb(133, 153, 99)  
}
```

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(133, 153, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 153, 99) }
```

Border

The CSS property to change the border of an element to XYZ 23.3162, 28.6699, 16.1093 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(133, 153, 99) }
```


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

```
.border{ border-color:rgb(133, 153, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 153, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 153, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 153, 99);  
box-shadow:4px 4px 4px 4px rgb(133, 153,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3162, 28.6699, 16.1093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 153, 99) }
```

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

```
.background{ background-color: rgb(133,  
153, 99) }
```

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