

Converting Colors

XYZ(23.1831, 23.3297, 16.2069)

Have a look what the booklet for
XYZ(23.1831, 23.3297, 16.2069)
contains.

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Color

**XYZ(23.2473, 23.3552,
16.1147)**

Conversions

Conversions Part 1

Format	Color
Hex	988167
RGB	152, 129, 103
RGB Percent	60%, 51%, 40%
CMY	0.4039, 0.4941, 0.5961
CMYK	0.00, 0.15, 0.32, 0.40
HSL	32°, 19%, 50%
HSV	32°, 32%, 60%
XYZ	23.2473, 23.3552, 16.1147
YIQ	132.9130, 22.0540, -3.2100

Conversions

Conversions Part 2

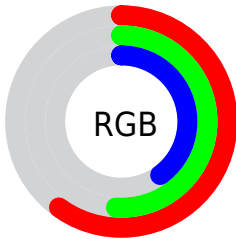
Format	Color
R_{YB}	146, 152, 103
Decimal	9994599
CIE Lab	55.44, 4.78, 17.37
CIE LCh	55, 18.019, 74.632
Yxy	23.3552, 0.3707, 0.3724
Android (android.graphics.Color)	4288184679 (0xFF988167)
YUV	132.9130, -14.7471, 16.7393
Hunter-Lab	48.3272, 1.2929, 14.0588

Details

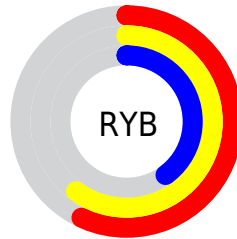
The XYZ color **23.2473, 23.3552, 16.1147** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.7216, 20.0715, 32.5932**, and the grayscale version is **22.3095, 23.4713, 25.5603**.

A 20% lighter version of the original color is **48.2928, 49.0544, 37.4950**, and **8.8380, 8.7322, 4.9610** is the 20% darker color. If you saturate the color by 10%, you get **21.6457, 21.2640, 12.1529**, and if you desaturate by 10%, it is **25.0544, 25.6353, 20.8299**.

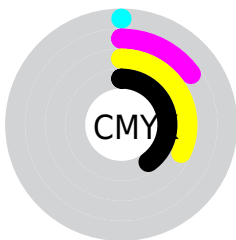
Distribution



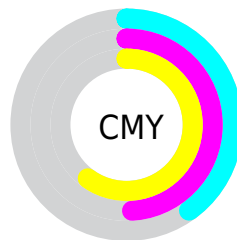
- Red (60%)
- Green (51%)
- Blue (40%)



- Red (57%)
- Yellow (60%)
- Blue (40%)



- Cyan (0%)
- Magenta (15%)
- Yellow (32%)
- Black (40%)



- Cyan (40%)
- Magenta (49%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2473, 23.3552, 16.1147 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 23.2473, 23.3552, 16.1147 by changing the saturation by 10% instead.

■ 23.2473, 23.3552,
16.1147

■ 23.2473, 23.3552,
16.1147

261.5043,
269.5442, 241.8864

■ 14.8979, 14.8560,
9.4501

■ 48.2627, 48.9759,
37.5668

■ 8.8336, 8.7184,
4.9351

■ 65.6595, 66.8662,
53.1913

■ 4.6891, 4.5580,
2.1512

■ 86.8028, 88.6557,
72.6397

■ 2.0989, 1.9903,
0.6460

■ 112.0580,
114.7287, 96.3303

■ 0.6886, 0.6018,
0.0000

141.7903,
145.4696, 124.6817

■ 0.0000, 0.0000,
0.0000

176.3653,

181.2630, 158.1125

216.1482,
222.4930, 197.0412

■ 23.2473, 23.3552,
16.1147

■ 23.2473, 23.3552,
16.1147

■ 21.6457, 21.2640,
12.1529

■ 25.0544, 25.6353,
20.8299

■ 20.2391, 19.3527,
8.9030

■ 27.0735, 28.1064,
26.3340

■ 19.0183, 17.6165,
6.3215

■ 29.3129, 30.7747,
32.6622

■ 17.9728, 16.0487,
4.3599

■ 31.7800, 33.6450,
39.8470

■ 17.0906, 14.6424,
2.9625

■ 34.4817, 36.7221,
47.9191

■ 16.3580, 13.3895,
2.0637

■ 37.4246, 40.0105,
56.9077

■ 15.8664, 12.5105,
1.5785

■ 40.6151, 43.5145,
66.8407

■ 44.0593, 47.2382,
77.7448

■ 47.7630, 51.1859,
89.6457

Harmonies

Analogous

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



25.0888, 23.3552, 18.3670



23.2473, 23.3552, 16.1147



21.2284, 23.3552, 16.0874

Triad

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



23.2473, 23.3552, 16.1147



18.6372, 23.3552, 28.3547



25.0504, 23.3552, 34.2279

Complementary

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



23.2473, 23.3552, 16.1147



18.7216, 20.0715, 32.5932

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.



23.1975, 23.3552, 37.8296



23.2473, 23.3552, 16.1147



19.5390, 23.3552, 34.1046

Square

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



23.2473, 23.3552, 16.1147



18.6487, 23.3552, 22.5852



21.1816, 23.3552, 37.7813



26.1722, 23.3552, 28.5038

Rectangle

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



23.2473, 23.3552, 16.1147



20.0565, 23.3552, 17.3075



21.1816, 23.3552, 37.7813



24.4876, 23.3552, 35.7631

Sweetspot

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



23.2479, 23.3563, 16.1152



48.5625, 50.5437, 48.6426



21.6094, 17.9002, 22.2870



10.9257, 11.3533, 10.7433



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.



23.2479, 23.3563, 16.1152



38.8748, 38.4179, 23.0638



26.4730, 30.0326, 17.2339



6.4665, 6.7381, 6.5656



13.3349, 10.5522, 1.3340



0.2358, 0.2306, 0.0321

Inverse Universe

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



18.7216, 20.0715, 32.5932



29.5582, 31.6587, 56.9865



16.2056, 14.8999, 31.7275



6.1115, 6.4804, 7.8577



6.6899, 5.7764, 25.6701



0.1360, 0.1583, 0.3958

Previews

White Background



This preview shows how the XYZ color 23.2473, 23.3552, 16.1147 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 23.2473, 23.3552, 16.1147 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 23.2473, 23.3552, 16.1147

Background



This preview shows how black text looks on a background with the XYZ color 23.2473, 23.3552, 16.1147.



This preview shows how white text looks on a background with the XYZ color 23.2473, 23.3552,

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

23.2473, 23.3552, 16.1147

Protanopia

21.9218, 23.4577, 16.7370

Deuteranopia

23.8777, 23.4855, 16.1066



Tritanopia

25.1543, 23.3570, 25.7368

Trichromacy



Original Color

23.2473, 23.3552, 16.1147

Protanomaly

22.4270, 23.5217, 16.4548

Deuteranomaly

23.6849, 23.3862, 16.0976

Tritanomaly

24.3624, 23.2218, 21.9371

Monochromacy



Original Color

23.2473, 23.3552, 16.1147

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5793, 23.4831, 21.7550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2473, 23.3552, 16.1147 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(152, 129, 103)` looks like.

```
.text, #text, p{  
    color:rgb(152, 129, 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(152, 129, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 129, 103) }
```

Border

The CSS property to change the border of an element to XYZ 23.2473, 23.3552, 16.1147 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(152, 129, 103) }
```


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

```
.border{ border-color:rgb(152, 129, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 129, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 129, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 129, 103);  
box-shadow:4px 4px 4px 4px rgb(152, 129,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2473, 23.3552, 16.1147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 129, 103) }
```

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

```
.background{ background-color: rgb(152,  
129, 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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