

Converting Colors

XYZ(24.9240, 23.3144, 3.2129)

Have a look what the booklet for
XYZ(24.9240, 23.3144, 3.2129)
contains.

XYZ(24.9929, 23.3982, 3.2278)	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(24.9929, 23.3982,
3.2278)**

Conversions

Conversions Part 1

Format	Color
Hex	B07B01
RGB	176, 123, 1
RGB Percent	69%, 48%, 0%
CMY	0.3098, 0.5176, 0.9960
CMYK	0.00, 0.30, 0.99, 0.31
HSL	42°, 99%, 35%
HSV	42°, 99%, 69%
XYZ	24.9929, 23.3982, 3.2278
YIQ	124.9390, 70.7500, -26.7060

Conversions

Conversions Part 2

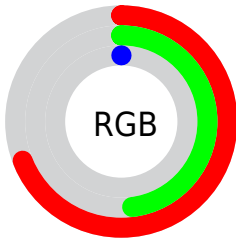
Format	Color
RYB	77, 176, 1
Decimal	11565825
CIELab	55.48, 12.22, 61.34
CIElCh	55, 62.550, 78.729
Yxy	23.3982, 0.4842, 0.4533
Android (android.graphics.Color)	4289755905 (0xFFB07B01)
YUV	124.9390, -61.1019, 44.7805
Hunter-Lab	48.3717, 7.5777, 29.9038

Details

The XYZ color **24.9929, 23.3982, 3.2278** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.1684, 5.7798, 41.7062**, and the grayscale version is **19.6559, 20.6796, 22.5201**.

A 20% lighter version of the original color is **50.9654, 48.9102, 12.2233**, and **9.9200, 8.7491, 1.1659** is the 20% darker color. If you saturate the color by 10%, you get **24.9500, 23.3214, 3.1865**, and if you desaturate by 10%, it is **25.7815, 24.8016, 4.0271**.

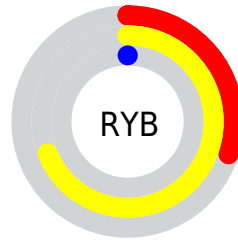
Distribution



Red (69%)

Green (48%)

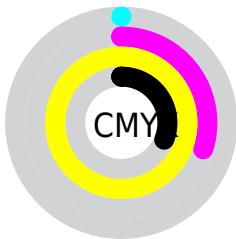
Blue (0%)



Red (30%)

Yellow (69%)

Blue (0%)

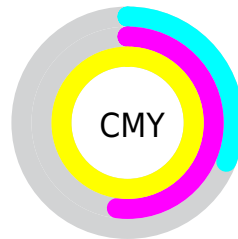


Cyan (0%)

Magenta (30%)

Yellow (99%)

Black (31%)



Cyan (31%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9929, 23.3982, 3.2278 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 24.9929, 23.3982, 3.2278 by changing the saturation by 10% instead.


 24.9929, 23.3982,
3.2278


 24.9929, 23.3982,
3.2278

270.1509,
269.7637, 139.2111


 16.2005, 14.8878,
1.2121


 51.0887, 49.0463,
12.1856

 9.7579, 8.7407,
0.0000


 69.1227, 66.9529,
19.9647


 5.2997, 4.5724,
0.0000

 90.9681, 88.7603,
30.5020

 2.4607, 1.9986,
0.0000

 116.9900,
114.8529, 44.2162

 0.8755, 0.6067,
0.0000

 147.5539,
145.6152, 61.5256

 0.0000, 0.0000,
0.0000

 183.0251,

181.4315, 82.8489

■ 223.7690,
222.6862, 108.6045

■ 24.9929, 23.3982,
3.2278

■ 24.9929, 23.3982,
3.2278

■ 24.9500, 23.3214,
3.1865

■ 25.7815, 24.8016,
4.0271

■ 26.7048, 26.3164,
5.3580

■ 27.7976, 27.9584,
7.3981

■ 29.0774, 29.7353,
10.2374

■ 30.5593, 31.6542,
13.9525

■ 32.2565, 33.7210,
18.6112

■ 34.1811, 35.9415,
24.2742

■ 36.3443, 38.3208,
30.9973

■ 38.7561, 40.8638,
38.8322

Harmonies

Analogous

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



32.4234, 23.3982, 6.0288



24.9929, 23.3982, 3.2278



18.1674, 23.3982, 3.5686

Triad

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



24.9929, 23.3982, 3.2278



11.7201, 23.3982, 40.0727



34.0519, 23.3982, 60.5857

Complementary

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



24.9929, 23.3982, 3.2278



9.1684, 5.7798, 41.7062

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.



26.8782, 23.3982, 82.7005



24.9929, 23.3982, 3.2278



14.4480, 23.3982, 67.1681

Square

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



24.9929, 23.3982, 3.2278



11.4250, 23.3982, 18.6225



19.6957, 23.3982, 85.5971



38.3430, 23.3982, 33.8349

Rectangle

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



24.9929, 23.3982, 3.2278



14.7959, 23.3982, 5.6156



19.6957, 23.3982, 85.5971



31.8354, 23.3982, 69.3005

Sweetspot

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



24.9934, 23.3994, 3.2282



61.5896, 64.7303, 42.8047



18.6395, 9.5416, 4.6552



13.0296, 13.6647, 8.3309



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.9934, 23.3994, 3.2282



45.0433, 41.8812, 5.7098



27.0179, 36.9744, 5.7418



8.9755, 9.4635, 9.0061



18.3597, 17.2180, 2.3557



0.6261, 0.6385, 0.0902

Inverse Universe

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



9.1684, 5.7798, 41.7062



16.3719, 10.0034, 75.5633



8.4775, 3.4813, 41.2990



8.2449, 8.6359, 10.7387



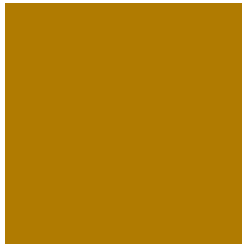
6.7399, 4.2802, 30.6079



0.2647, 0.2400, 0.9806

Previews

White Background



This preview shows how the XYZ color 24.9929, 23.3982, 3.2278 looks on a white background.

Color Contrast Check

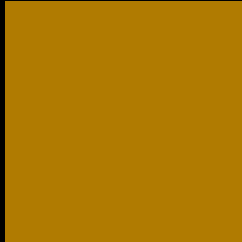
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9929, 23.3982, 3.2278 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 24.9929, 23.3982, 3.2278

Background



This preview shows how black text looks on a background with the XYZ color 24.9929, 23.3982, 3.2278.



This preview shows how white text looks on a background with the XYZ color 24.9929, 23.3982,

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

24.9929, 23.3982, 3.2278

Protanopia

21.1632, 23.5584, 3.7484

Deuteranopia

23.8230, 23.3567, 3.2527



Tritanopia

28.6485, 23.2884, 21.7241

Trichromacy



Original Color

24.9929, 23.3982, 3.2278

Protanomaly

22.3191, 23.3515, 3.5320

Deuteranomaly

24.3469, 23.4379, 3.2407

Tritanomaly

26.3630, 22.8708, 10.4222

Monochromacy



Original Color

24.9929, 23.3982, 3.2278

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.1572, 20.9238, 10.5657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9929, 23.3982, 3.2278 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(176, 123, 1)` looks like.

```
.text, #text, p{  
    color:rgb(176, 123, 1)  
}
```

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(176, 123, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 123, 1) }
```

Border

The CSS property to change the border of an element to XYZ 24.9929, 23.3982, 3.2278 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(176, 123, 1) }
```


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

```
.border{ border-color:rgb(176, 123, 1) }
```

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

Here you see how a box with a 4 pixel rgb(176, 123, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 123, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 123, 1);  
box-shadow:4px 4px 4px 4px rgb(176, 123,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9929, 23.3982, 3.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 123, 1) }
```

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

```
.background{ background-color: rgb(176,  
123, 1) }
```

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