

Converting Colors

XYZ(28.1549, 29.5677, 12.4579)

Have a look what the booklet for
XYZ(28.1549, 29.5677, 12.4579)
contains.

XYZ(28.2024, 29.6173, 12.4139)	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(28.2024, 29.6173,
12.4139)**

Conversions

Conversions Part 1

Format	Color
Hex	A99253
RGB	169, 146, 83
RGB Percent	66%, 57%, 33%
CMY	0.3373, 0.4274, 0.6745
CMYK	0.00, 0.14, 0.51, 0.34
HSL	44°, 34%, 49%
HSV	44°, 51%, 66%
XYZ	28.2024, 29.6173, 12.4139
YIQ	145.6950, 33.9310, -14.7170

Conversions

Conversions Part 2

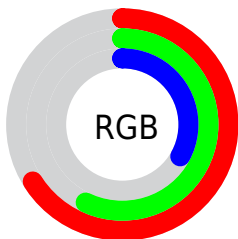
Format	Color
RYB	114, 169, 83
Decimal	11113043
CIELab	61.32, 0.21, 36.34
CIElCh	61, 36.336, 89.676
Yxy	29.6173, 0.4016, 0.4217
Android (android.graphics.Color)	4289303123 (0xFFA99253)
YUV	145.6950, -30.9086, 20.4385
Hunter-Lab	54.4218, -2.7360, 24.5709

Details

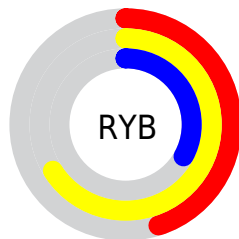
The XYZ color **28.2024, 29.6173, 12.4139** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.8826, 15.0111, 39.5963**, and the grayscale version is **27.3101, 28.7323, 31.2895**.

A 20% lighter version of the original color is **56.3214, 59.1985, 31.0123**, and **11.5565, 12.1319, 3.3227** is the 20% darker color. If you saturate the color by 10%, you get **26.9451, 28.0228, 9.1588**, and if you desaturate by 10%, it is **29.6477, 31.3333, 16.5170**.

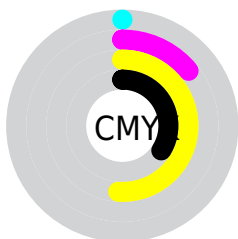
Distribution



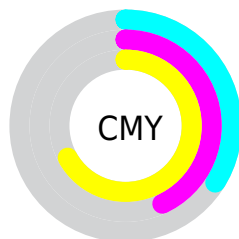
- Red (66%)
- Green (57%)
- Blue (33%)



- Red (45%)
- Yellow (66%)
- Blue (33%)



- Cyan (0%)
- Magenta (14%)
- Yellow (51%)
- Black (34%)



- Cyan (34%)
- Magenta (43%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2024, 29.6173, 12.4139 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 28.2024, 29.6173, 12.4139 by changing the saturation by 10% instead.

■ 28.2024, 29.6173,
12.4139

■ 28.2024, 29.6173,
12.4139

285.4954,
300.1165, 218.2008

■ 18.6195, 19.5483,
6.9003

■ 56.2138, 59.0564,
30.9223

■ 11.4980, 12.0671,
3.3223

■ 75.3730, 79.1953,
44.7542

■ 6.4726, 6.7894,
1.2615

■ 98.4551, 103.4597,
62.1959

■ 3.1779, 3.3307,
0.0299

■ 125.8254,
132.2338, 83.6660

■ 1.2485, 1.3067,
0.0000

■ 157.8492,
165.9022, 109.5830

■ 0.1442, 0.1464,
0.0000

194.8919,

■ 0.0000, 0.0000,

204.8492, 140.3654

0.0000

237.3188,
249.4591, 176.4318

■ 28.2024, 29.6173,
12.4139

■ 28.2024, 29.6173,
12.4139

■ 26.9451, 28.0228,
9.1588

■ 29.6477, 31.3333,
16.5170

■ 25.8617, 26.5403,
6.6878

■ 31.2898, 33.1715,
21.5222

■ 24.9391, 25.1651,
4.9310

■ 33.1393, 35.1377,
27.4810

■ 24.1611, 23.8904,
3.8050

■ 35.2056, 37.2361,
34.4406

■ 23.5460, 22.8028,
3.1604

■ 37.4972, 39.4706,
42.4452

■ 40.0223, 41.8450,
51.5360

■ 42.7886, 44.3628,
61.7523

■ 45.8034, 47.0274,
73.1312

■ 49.0737, 49.8419,
85.7083

Harmonies

Analogous

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



33.0595, 29.6173, 14.4222



28.2024, 29.6173, 12.4139



23.8335, 29.6173, 14.3353

Triad

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



28.2024, 29.6173, 12.4139



20.8847, 29.6173, 47.1442



36.8692, 29.6173, 47.4773

Complementary

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



28.2024, 29.6173, 12.4139



15.8826, 15.0111, 39.5963

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.



32.9593, 29.6173, 61.0116



28.2024, 29.6173, 12.4139



23.7530, 29.6173, 60.7841

Square

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



28.2024, 29.6173, 12.4139



19.9107, 29.6173, 32.0995



28.0984, 29.6173, 66.4560



38.3976, 29.6173, 32.3974

Rectangle

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



28.2024, 29.6173, 12.4139



21.6981, 29.6173, 18.0176



28.0984, 29.6173, 66.4560



35.7695, 29.6173, 52.4978

Sweetspot

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



28.2031, 29.6187, 12.4145



61.3811, 65.0116, 55.9938



22.1288, 15.6911, 15.8740



13.2166, 14.0051, 11.6601



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



28.2031, 29.6187, 12.4145



48.0075, 49.8569, 15.7976



28.3946, 35.5193, 13.5433



7.9747, 8.4294, 7.9960



17.5945, 17.0862, 2.3706



0.4667, 0.4931, 0.0706

Inverse Universe

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



15.8826, 15.0111, 39.5963



23.4936, 20.8334, 70.0081



15.6930, 11.8548, 38.9971



7.2889, 7.6148, 9.5040



6.0810, 3.6222, 28.3541



0.1891, 0.1704, 0.7036

Previews

White Background



This preview shows how the XYZ color 28.2024, 29.6173, 12.4139 looks on a white background.

Color Contrast Check

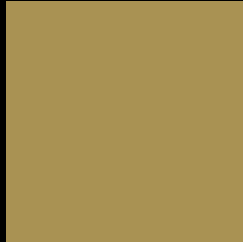
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2024, 29.6173, 12.4139 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 28.2024, 29.6173, 12.4139

Background



This preview shows how black text looks on a background with the XYZ color 28.2024, 29.6173, 12.4139.



This preview shows how white text looks on a background with the XYZ color 28.2024, 29.6173,

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

28.2024, 29.6173, 12.4139

Protanopia

27.2944, 29.6064, 12.6635

Deuteranopia

30.1812, 29.5136, 12.4935



Tritanopia

32.1925, 29.4608, 32.4236

Trichromacy



Original Color

28.2024, 29.6173, 12.4139

Protanomaly

27.5510, 29.5069, 12.6308

Deuteranomaly

29.5542, 29.6321, 12.5494

Tritanomaly

30.4601, 29.4147, 23.4742

Monochromacy



Original Color

28.2024, 29.6173, 12.4139

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.1805, 28.8579, 22.8765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2024, 29.6173, 12.4139 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(169, 146, 83)` looks like.

```
.text, #text, p{  
    color:rgb(169, 146, 83)  
}
```

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(169, 146, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 146, 83) }
```

Border

The CSS property to change the border of an element to XYZ 28.2024, 29.6173, 12.4139 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(169, 146, 83) }
```


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

```
.border{ border-color:rgb(169, 146, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 146, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 146, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 146, 83);  
box-shadow:4px 4px 4px 4px rgb(169, 146,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2024, 29.6173, 12.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 146, 83) }
```

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

```
.background{ background-color: rgb(169,  
146, 83) }
```

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