

Converting Colors

XYZ(24.4909, 31.1042, 2.1017)

Have a look what the booklet for
XYZ(24.4909, 31.1042, 2.1017)
contains.

XYZ(24.9758, 31.2803, 4.7213)	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(24.9758, 31.2803,
4.7213)**

Conversions

Conversions Part 1

Format	Color
Hex	969F00
RGB	150, 159, 0
RGB Percent	59%, 62%, 0%
CMY	0.4118, 0.3765, 1.0000
CMYK	0.06, 0.00, 1.00, 0.38
HSL	63°, 100%, 31%
HSV	63°, 100%, 62%
XYZ	24.9758, 31.2803, 4.7213
YIQ	138.1830, 45.6750, -51.3570

Conversions

Conversions Part 2

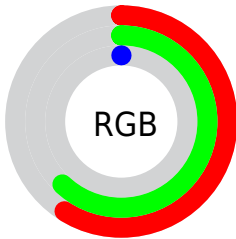
Format	Color
RYB	0, 159, 9
Decimal	9871104
CIELab	62.74, -19.16, 65.50
CIELCh	63, 68.245, 106.302
Yxy	31.2803, 0.4096, 0.5130
Android (android.graphics.Color)	4288061184 (0xFF969F00)
YUV	138.1830, -68.1242, 10.3635
Hunter-Lab	55.9288, -18.1637, 34.1451

Details

The XYZ color **24.9758, 31.2803, 4.7213** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.3714, 2.5618, 32.9615**, and the grayscale version is **24.4687, 25.7429, 28.0340**.

A 20% lighter version of the original color is **51.0427, 61.4928, 15.6576**, and **10.0819, 13.1580, 2.0084** is the 20% darker color. If you saturate the color by 10%, you get **24.9763, 31.2817, 4.7216**, and if you desaturate by 10%, it is **25.2357, 31.4046, 5.2185**.

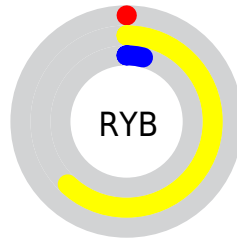
Distribution



Red (59%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (4%)

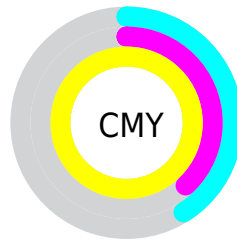


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (41%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9758, 31.2803, 4.7213 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 24.9758, 31.2803, 4.7213 by changing the saturation by 10% instead.

■ 24.9758, 31.2803,
4.7213

■ 24.9758, 31.2803,
4.7213

270.0673,
307.8276, 155.9337

■ 16.1877, 20.8124,
2.0288

■ 51.0611, 61.6811,
15.6418

■ 9.7487, 12.9869,
0.5729

■ 69.0890, 82.3828,
24.7069

■ 5.2937, 7.4195,
0.0000

■ 90.9276, 107.2645,
36.7333

■ 2.4571, 3.7258,
0.0000

■ 116.9421,
136.7107, 52.1396

■ 0.8737, 1.5214,
0.0000

■ 147.4980,
171.1057, 71.3442


■ 0.0000, 0.3037,
0.0000


■ 182.9606,


■ 0.0000, 0.0000,


210.8339, 94.7658


0.0000


 223.6952,
256.2797, 122.8227


 24.9758, 31.2803,
4.7213


 24.9758, 31.2803,
4.7213


 24.9763, 31.2817,
4.7216

 25.2357, 31.4046,
5.2185

 25.5686, 31.5572,
6.0968

 26.0070, 31.7520,
7.5235

 26.5641, 31.9945,
9.5686

 27.2512, 32.2892,
12.2919

■ 28.0784, 32.6400,
15.7460

■ 29.0546, 33.0506,
19.9783

■ 30.1882, 33.5243,
25.0324

■ 31.4867, 34.0642,
30.9484

Harmonies

Analogous

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



34.1833, 31.2803, 4.5614



24.9758, 31.2803, 4.7213



18.5586, 31.2803, 9.4716

Triad

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



24.9758, 31.2803, 4.7213



18.9826, 31.2803, 86.3225



50.7800, 31.2803, 47.7269

Complementary

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



24.9758, 31.2803, 4.7213



6.3714, 2.5618, 32.9615

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.



44.6731, 31.2803, 83.2912



24.9758, 31.2803, 4.7213



25.6831, 31.2803, 112.2962

Square

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



24.9758, 31.2803, 4.7213



15.6263, 31.2803, 50.6056



35.0544, 31.2803, 110.9636



50.4793, 31.2803, 21.5806

Rectangle

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



24.9758, 31.2803, 4.7213



16.1473, 31.2803, 17.3056



35.0544, 31.2803, 110.9636



49.3615, 31.2803, 59.1534

Sweetspot

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



24.9765, 31.2817, 4.7219



51.9225, 59.1416, 35.2995



14.3854, 7.5442, 0.6984



11.5434, 13.2652, 7.2484



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.9765, 31.2817, 4.7219



44.6713, 55.9902, 8.4528



15.0387, 26.1586, 4.2569



7.1330, 7.7012, 7.0962



19.7379, 24.7120, 3.7296



0.3630, 0.4470, 0.0672

Inverse Universe

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



6.3714, 2.5618, 32.9615



11.3550, 4.5590, 59.0250



10.2319, 4.5520, 33.1422



6.3178, 6.4523, 8.3191



5.0440, 2.0293, 26.0331



0.0992, 0.0409, 0.4659

Previews

White Background



This preview shows how the XYZ color 24.9758, 31.2803, 4.7213 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.9758, 31.2803, 4.7213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

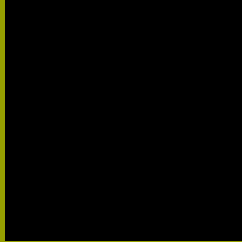
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.9758, 31.2803, 4.7213

Background



This preview shows how black text looks on a background with the XYZ color 24.9758, 31.2803, 4.7213.



This preview shows how white text looks on a background with the XYZ color 24.9758, 31.2803,

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

24.9758, 31.2803, 4.7213

Protanopia

28.0228, 31.1144, 4.5287

Deuteranopia

31.6456, 31.0975, 5.3118



Tritanopia

31.5459, 31.2601, 37.1720

Trichromacy



Original Color

24.9758, 31.2803, 4.7213

Protanomaly

26.8256, 31.2292, 4.6140

Deuteranomaly

28.7531, 30.7655, 4.9532

Tritanomaly

27.4818, 30.5642, 16.7629

Monochromacy



Original Color

24.9758, 31.2803, 4.7213

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.1957, 27.0131, 13.2240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9758, 31.2803, 4.7213 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(150, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 159, 0)  
}
```

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(150, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.9758, 31.2803, 4.7213 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(150, 159, 0) }
```


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

```
.border{ border-color:rgb(150, 159, 0) }
```

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

Here you see how a box with a 4 pixel rgb(150, 159, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9758, 31.2803, 4.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 159, 0) }
```

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

```
.background{ background-color: rgb(150,  
159, 0) }
```

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