

Converting Colors

XYZ(9.3744, 23.8061, 2.1175)

Have a look what the booklet for
XYZ(9.3744, 23.8061, 2.1175)
contains.

XYZ(12.7449, 25.4897, 4.2483)	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(12.7449, 25.4897,
4.2483)**

Conversions

Conversions Part 1

Format	Color
Hex	00A100
RGB	0, 161, 0
RGB Percent	0%, 63%, 0%
CMY	1.0000, 0.3686, 0.9999
CMYK	1.00, 0.00, 1.00, 0.37
HSL	120°, 100%, 32%
HSV	120°, 100%, 63%
XYZ	12.7449, 25.4897, 4.2483
YIQ	94.5070, -44.2750, -84.2030

Conversions

Conversions Part 2

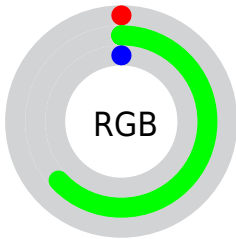
Format	Color
RYB	0, 161, 161
Decimal	41216
CIELab	57.55, -61.10, 58.98
CIELCh	58, 84.923, 136.016
Yxy	25.4897, 0.3000, 0.6000
Android (android.graphics.Color)	4278231296 (0xFF00A100)
YUV	94.5070, -46.5920, -82.8826
Hunter-Lab	50.4873, -43.2927, 30.3521

Details

The XYZ color **12.7449, 25.4897, 4.2483** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.1310, 10.1504, 34.5605**, and the grayscale version is **10.8758, 11.4422, 12.4606**.

A 20% lighter version of the original color is **30.3962, 52.3689, 14.6371**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **12.7454, 25.4907, 4.2487**, and if you desaturate by 10%, it is **13.0552, 25.6395, 4.7555**.

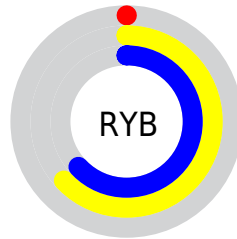
Distribution



Red (0%)

Green (63%)

Blue (0%)



Red (0%)

Yellow (63%)

Blue (63%)

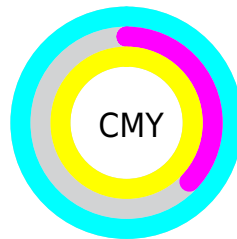


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (100%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7449, 25.4897, 4.2483 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 12.7449, 25.4897, 4.2483 by changing the saturation by 10% instead.


 12.7449, 25.4897,
4.2483


 12.7449, 25.4897,
4.2483

202.9471,
280.2680, 150.9465


 7.3289, 16.4423,
1.7625


 30.4499, 52.4506,
14.5785


 3.7168, 9.8377,
0.4031


 43.4697, 71.1328,
23.2600

 1.5432, 5.2915,
0.0000

 59.7548, 93.7954,
34.8438

 0.3549, 2.4193,
0.0000

 79.6705, 120.8228,
49.7484


 0.0000, 0.8358,
0.0000


 103.5822,
152.5993, 68.3925

 0.0000, 0.0000,
0.0000


 131.8553,


189.5094, 91.1945


 164.8552,
231.9375, 118.5730


 12.7449, 25.4897,
4.2483


 12.7449, 25.4897,
4.2483


 12.7454, 25.4907,
4.2487

 13.0552, 25.6395,
4.7555

 13.6110, 25.9065,
5.6648

 14.5187, 26.3425,
7.1497

 15.8234, 26.9692,
9.2838

 17.5635, 27.8051,
12.1301

■ 19.7729, 28.8663,
15.7439

■ 22.4821, 30.1677,
20.1753

■ 25.7191, 31.7226,
25.4700

■ 29.5099, 33.5435,
31.6703

Harmonies

Analogous

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



19.2427, 25.4897, 1.2554



12.7449, 25.4897, 4.2483



9.8200, 25.4897, 16.3425

Triad

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



12.7449, 25.4897, 4.2483



19.8203, 25.4897, 124.6377



48.1730, 25.4897, 15.0372

Complementary

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



12.7449, 25.4897, 4.2483



21.1310, 10.1504, 34.5605

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.



48.4561, 25.4897, 43.5266



12.7449, 25.4897, 4.2483



30.0057, 25.4897, 123.2500

Square

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



12.7449, 25.4897, 4.2483



13.0657, 25.4897, 90.3123



41.1098, 25.4897, 87.2771



40.4192, 25.4897, 3.8607

Rectangle

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



12.7449, 25.4897, 4.2483



9.5649, 25.4897, 34.0175



41.1098, 25.4897, 87.2771



49.2057, 25.4897, 22.3107

Sweetspot

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



12.7455, 25.4908, 4.2489



39.9624, 53.8819, 35.6408



27.4439, 33.0681, 4.9365



8.3251, 11.6061, 7.0981



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.



12.7455, 25.4908, 4.2489



22.8251, 45.6500, 7.6087



14.2121, 26.0774, 11.9718



6.9856, 7.8951, 7.5359



10.1790, 20.3580, 3.3932



0.2139, 0.4278, 0.0713

Inverse Universe

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



21.1310, 10.1504, 34.5605



37.8423, 18.1777, 61.8926



16.1652, 8.1641, 8.4112



7.3643, 7.2022, 8.9050



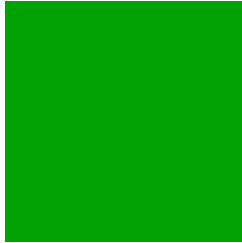
16.8760, 8.1065, 27.6015



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 12.7449, 25.4897, 4.2483 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

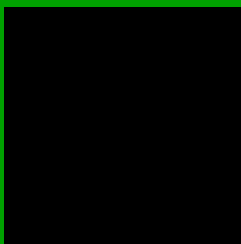
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

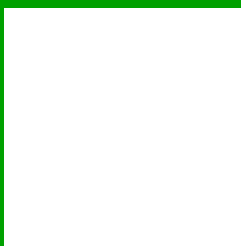
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7449, 25.4897, 4.2483

Background



This preview shows how black text looks on a background with the XYZ color 12.7449, 25.4897, 4.2483.



This preview shows how white text looks on a background with the XYZ color 12.7449, 25.4897,

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

12.7449, 25.4897, 4.2483

Protanopia

22.6060, 25.1455, 3.6621

Deuteranopia

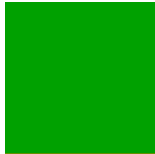
25.5196, 24.9708, 5.0649



Tritanopia

19.8118, 25.6503, 38.0892

Trichromacy



Original Color

12.7449, 25.4897, 4.2483



Protanomaly

15.4245, 23.2104, 3.6671



Deuteranomaly

16.1001, 22.4227, 4.2385



Tritanomaly

15.0000, 24.6041, 16.7904

Monochromacy



Original Color

12.7449, 25.4897, 4.2483



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.2759, 14.4806, 6.5811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7449, 25.4897, 4.2483 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(0, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 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(0, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7449, 25.4897, 4.2483 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(0, 161, 0) }
```


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

```
.border{ border-color:rgb(0, 161, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 161, 0); box-shadow:4px  
4px 4px 4px rgb(0, 161, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7449, 25.4897, 4.2483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 0) }
```

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

```
.background{ background-color: rgb(0, 161,  
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