

Converting Colors

XYZ(8.7574, 23.7535, 3.7380)

Have a look what the booklet for
XYZ(8.7574, 23.7535, 3.7380)
contains.

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Color

**XYZ(12.9203, 25.8407,
4.3068)**

Conversions

Conversions Part 1

Format	Color
Hex	00A200
RGB	0, 162, 0
RGB Percent	0%, 64%, 0%
CMY	1.0000, 0.3647, 0.9999
CMYK	1.00, 0.00, 1.00, 0.36
HSL	120°, 100%, 32%
HSV	120°, 100%, 64%
XYZ	12.9203, 25.8407, 4.3068
YIQ	95.0940, -44.5500, -84.7260

Conversions

Conversions Part 2

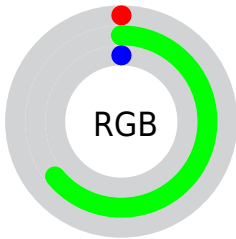
Format	Color
RYB	0, 162, 162
Decimal	41472
CIELab	57.89, -61.38, 59.24
CIElCh	58, 85.311, 136.016
Yxy	25.8407, 0.3000, 0.6000
Android (android.graphics.Color)	4278231552 (0xFF00A200)
YUV	95.0940, -46.8813, -83.3974
Hunter-Lab	50.8337, -43.5901, 30.5604

Details

The XYZ color **12.9203, 25.8407, 4.3068** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **21.4215, 10.2899, 35.0342**, and the grayscale version is **11.0173, 11.5911, 12.6227**.

A 20% lighter version of the original color is **30.7553, 52.9378, 14.7279**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **12.9210, 25.8418, 4.3074**, and if you desaturate by 10%, it is **13.2331, 25.9918, 4.8181**.

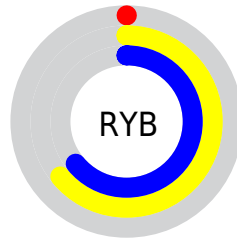
Distribution



Red (0%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (64%)

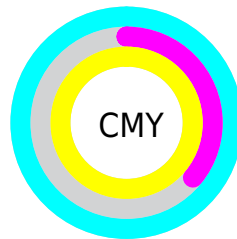


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (100%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9203, 25.8407, 4.3068 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 12.9203, 25.8407, 4.3068 by changing the saturation by 10% instead.


 12.9203, 25.8407,
4.3068


 12.9203, 25.8407,
4.3068


204.0542,
281.9992, 151.5767


 7.4503, 16.7045,
1.7951


 30.7631, 53.0178,
14.7114


 3.7941, 10.0240,
0.4247


 43.8665, 71.8276,
23.4413

 1.5863, 5.4149,
0.0000

 60.2452, 94.6306,
35.0811

 0.3835, 2.4927,
0.0000

 80.2645, 121.8114,
50.0493


 0.0000, 0.8730,
0.0000


 104.2896,
153.7542, 68.7645


 0.0000, 0.0000,
0.0000


 132.6861,


190.8435, 91.6450


 165.8191,
233.4637, 119.1096


 12.9203, 25.8407,
4.3068


 12.9203, 25.8407,
4.3068


 12.9210, 25.8418,
4.3074

 13.2331, 25.9918,
4.8181

 13.7954, 26.2618,
5.7380

 14.7146, 26.7033,
7.2416

 16.0364, 27.3383,
9.4038

 17.7999, 28.1854,
12.2885

■ 20.0396, 29.2612,
15.9519

■ 22.7864, 30.5807,
20.4448

■ 26.0688, 32.1574,
25.8135

■ 29.9130, 34.0040,
32.1012

Harmonies

Analogous

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



19.5076, 25.8407, 1.2727



12.9203, 25.8407, 4.3068



9.9552, 25.8407, 16.5677

Triad

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



12.9203, 25.8407, 4.3068



20.0933, 25.8407, 126.3550



48.8365, 25.8407, 15.2440

Complementary

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



12.9203, 25.8407, 4.3068



21.4215, 10.2899, 35.0342

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.



49.1235, 25.8407, 44.1257



12.9203, 25.8407, 4.3068



30.4190, 25.8407, 124.9478

Square

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



12.9203, 25.8407, 4.3068



13.2456, 25.8407, 91.5569



41.6761, 25.8407, 88.4789



40.9758, 25.8407, 3.9137

Rectangle

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



12.9203, 25.8407, 4.3068



9.6966, 25.8407, 34.4863



41.6761, 25.8407, 88.4789



49.8834, 25.8407, 22.6177

Sweetspot

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



12.9210, 25.8418, 4.3074



41.0549, 55.3657, 36.6066



27.8218, 33.5235, 5.0043



8.7503, 12.2089, 7.4522



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



12.9210, 25.8418, 4.3074



23.4562, 46.9122, 7.8192



14.4062, 26.4359, 12.1282



6.9856, 7.8951, 7.5359



10.1790, 20.3580, 3.3934



0.2139, 0.4278, 0.0713

Inverse Universe

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



21.4215, 10.2899, 35.0342



38.8877, 18.6799, 63.5994



16.3862, 8.2758, 8.5186



7.3643, 7.2022, 8.9049



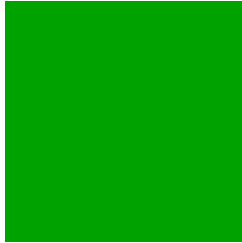
16.8757, 8.1063, 27.5997



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 12.9203, 25.8407, 4.3068 looks on a white background.

Color Contrast Check

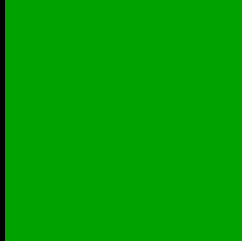
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9203, 25.8407, 4.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

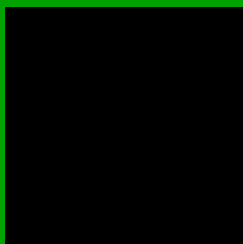
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9203, 25.8407, 4.3068

Background



This preview shows how black text looks on a background with the XYZ color 12.9203, 25.8407, 4.3068.



This preview shows how white text looks on a background with the XYZ color 12.9203, 25.8407,

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

12.9203, 25.8407, 4.3068

Protanopia

22.9429, 25.5332, 3.7192

Deuteranopia

25.8752, 25.3526, 5.1199



Tritanopia

20.0614, 26.0065, 38.6127

Trichromacy



Original Color

12.9203, 25.8407, 4.3068



Protanomaly

15.5793, 23.5201, 3.7187



Deuteranomaly

16.3734, 22.7834, 4.2937



Tritanomaly

15.2163, 24.9558, 17.1117

Monochromacy



Original Color

12.9203, 25.8407, 4.3068



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 12.9203, 25.8407, 4.3068 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, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.9203, 25.8407, 4.3068 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, 162, 0) }
```


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

```
.border{ border-color:rgb(0, 162, 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, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 162, 0); box-shadow:4px  
4px 4px 4px rgb(0, 162, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9203, 25.8407, 4.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 0) }
```

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

```
.background{ background-color: rgb(0, 162,  
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](#).

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