

Converting Colors

XYZ(12.9274, 25.5620, 5.1989)

Have a look what the booklet for
XYZ(12.9274, 25.5620, 5.1989)
contains.

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Color

**XYZ(12.9203, 25.5599,
5.1723)**

Conversions

Conversions Part 1

Format	Color
Hex	00A119
RGB	0, 161, 25
RGB Percent	0%, 63%, 10%
CMY	1.0000, 0.3686, 0.9019
CMYK	1.00, 0.00, 0.84, 0.37
HSL	129°, 100%, 32%
HSV	129°, 100%, 63%
XYZ	12.9203, 25.5599, 5.1723
YIQ	97.3570, -52.3000, -76.4280

Conversions

Conversions Part 2

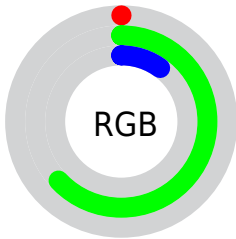
Format	Color
RYB	0, 139, 161
Decimal	41241
CIELab	57.62, -60.23, 54.49
CIELCh	58, 81.220, 137.861
Yxy	25.5599, 0.2960, 0.5855
Android (android.graphics.Color)	4278231321 (0xFF00A119)
YUV	97.3570, -35.6720, -85.3821
Hunter-Lab	50.5568, -42.8569, 29.3240

Details

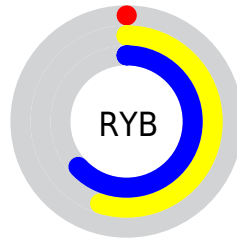
The XYZ color **12.9203, 25.5599, 5.1723** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.1421, 9.3548, 24.0876**, and the grayscale version is **11.5454, 12.1466, 13.2277**.

A 20% lighter version of the original color is **30.7878, 52.5256, 16.6994**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **12.9209, 25.5610, 5.1729**, and if you desaturate by 10%, it is **13.3205, 25.7457, 6.1528**.

Distribution



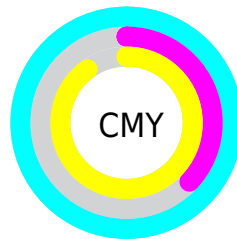
- Red (0%)
- Green (63%)
- Blue (10%)



- Red (0%)
- Yellow (55%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9203, 25.5599, 5.1723 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, 25.5599, 5.1723 by changing the saturation by 10% instead.


 12.9203, 25.5599,
5.1723


 12.9203, 25.5599,
5.1723


204.0542,
280.6149, 160.4794


 7.4503, 16.4947,
2.2882


 30.7631, 52.5641,
16.6341


 3.7941, 9.8749,
0.7246


 43.8665, 71.2719,
26.0488

 1.5863, 5.3161,
0.0000

 60.2452, 93.9626,
38.4775

 0.3835, 2.4339,
0.0000

 80.2645, 121.0208,
54.3387

 0.0000, 0.8432,
0.0000

 104.2896,
152.8307, 74.0510

 0.0000, 0.0000,
0.0000

 132.6861,

189.7767, 98.0328

165.8191,
232.2433, 126.7027

■ 12.9203, 25.5599,
5.1723

■ 12.9203, 25.5599,
5.1723

■ 12.9209, 25.5610,
5.1729

■ 13.3205, 25.7457,
6.1528

■ 13.9718, 26.0508,
7.5652

■ 14.9562, 26.5175,
9.4544

■ 16.3120, 27.1647,
11.8583

■ 18.0722, 28.0085,
14.8108

■ 20.2659, 29.0635,
18.3428

■ 22.9197, 30.3428,
22.4831

■ 26.0580, 31.8582,
27.2584

■ 29.7035, 33.6209,
32.6939

Harmonies

Analogous

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



19.0096, 25.5599, 1.6629



12.9203, 25.5599, 5.1723



10.2393, 25.5599, 18.0400

Triad

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



12.9203, 25.5599, 5.1723



20.5786, 25.5599, 119.5517



46.7266, 25.5599, 14.4495

Complementary

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



12.9203, 25.5599, 5.1723



19.1421, 9.3548, 24.0876

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.



47.4761, 25.5599, 40.6440



12.9203, 25.5599, 5.1723



30.4766, 25.5599, 115.9404

Square

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



12.9203, 25.5599, 5.1723



13.8042, 25.5599, 89.2187



40.9186, 25.5599, 81.2668



39.0823, 25.5599, 4.0386

Rectangle

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



12.9203, 25.5599, 5.1723



10.1040, 25.5599, 35.7962



40.9186, 25.5599, 81.2668



47.8550, 25.5599, 21.1438

Sweetspot

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



12.9209, 25.5610, 5.1729



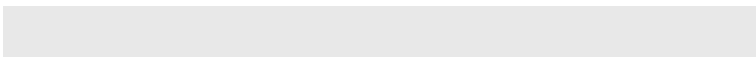
40.7553, 54.1991, 39.8163



23.0377, 30.7967, 4.7301



8.5092, 11.6797, 8.0673



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.



12.9209, 25.5610, 5.1729



23.0923, 45.7569, 9.0157



15.2773, 26.5035, 17.5815



7.0283, 7.9122, 7.7610



10.3294, 20.4181, 4.1852



0.2291, 0.4338, 0.1513

Inverse Universe

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



19.1421, 9.3548, 24.0876



34.2210, 16.7292, 42.8232



15.4210, 7.8663, 4.4921



7.3168, 7.1832, 8.6549



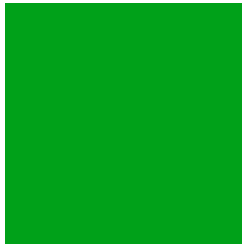
15.2998, 7.4760, 19.3014



0.3334, 0.1619, 0.4685

Previews

White Background



This preview shows how the XYZ color 12.9203, 25.5599, 5.1723 looks on a white background.

Color Contrast Check

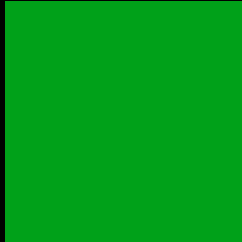
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.5599, 5.1723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

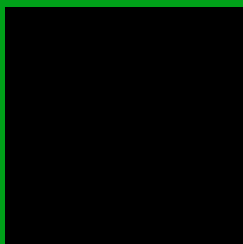
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9203, 25.5599, 5.1723

Background



This preview shows how black text looks on a background with the XYZ color 12.9203, 25.5599, 5.1723.



This preview shows how white text looks on a background with the XYZ color 12.9203, 25.5599,

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, 25.5599, 5.1723

Protanopia

22.7152, 25.1892, 4.2370

Deuteranopia

25.5475, 25.1704, 5.7024



Tritanopia

19.7427, 25.6146, 38.0860

Trichromacy



Original Color

12.9203, 25.5599, 5.1723



Protanomaly

15.5598, 23.2646, 4.3799



Deuteranomaly

16.2981, 22.7246, 5.1963



Tritanomaly

15.4765, 24.7946, 19.2994

Monochromacy



Original Color

12.9203, 25.5599, 5.1723



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.8404, 14.9120, 8.3209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9203, 25.5599, 5.1723 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 25) }
```

Border

The CSS property to change the border of an element to XYZ 12.9203, 25.5599, 5.1723 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, 25) }
```


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

```
.border{ border-color:rgb(0, 161, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 161, 25)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9203, 25.5599, 5.1723 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, 25) }
```

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

```
.background{ background-color: rgb(0, 161,  
25) }
```

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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