

Converting Colors

XYZ(10.9720, 24.6516, 4.9576)

Have a look what the booklet for
XYZ(10.9720, 24.6516, 4.9576)
contains.

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Color

**XYZ(12.8897, 25.5477,
5.0109)**

Conversions

Conversions Part 1

Format	Color
Hex	00A116
RGB	0, 161, 22
RGB Percent	0%, 63%, 9%
CMY	1.0000, 0.3686, 0.9137
CMYK	1.00, 0.00, 0.86, 0.37
HSL	128°, 100%, 32%
HSV	128°, 100%, 63%
XYZ	12.8897, 25.5477, 5.0109
YIQ	97.0150, -51.3370, -77.3610

Conversions

Conversions Part 2

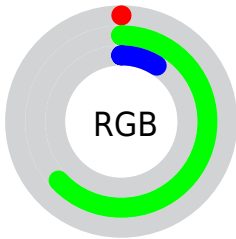
Format	Color
RYB	0, 142, 161
Decimal	41238
CIELab	57.61, -60.38, 55.23
CIELCh	58, 81.832, 137.548
Yxy	25.5477, 0.2967, 0.5880
Android (android.graphics.Color)	4278231318 (0xFF00A116)
YUV	97.0150, -36.9824, -85.0822
Hunter-Lab	50.5447, -42.9330, 29.5034

Details

The XYZ color **12.8897, 25.5477, 5.0109** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.3584, 9.4413, 25.2263**, and the grayscale version is **11.4638, 12.0608, 13.1342**.

A 20% lighter version of the original color is **30.7117, 52.4951, 16.2985**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **12.8903, 25.5488, 5.0115**, and if you desaturate by 10%, it is **13.2778, 25.7287, 5.9280**.

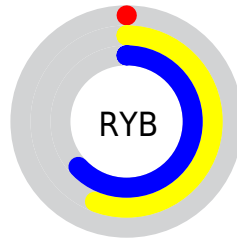
Distribution



Red (0%)

Green (63%)

Blue (9%)



Red (0%)

Yellow (56%)

Blue (63%)

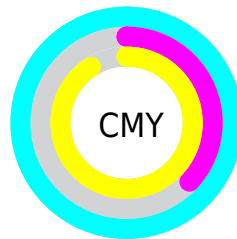


Cyan (100%)

Magenta (0%)

Yellow (86%)

Black (37%)



Cyan (100%)


Magenta (37%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8897, 25.5477, 5.0109 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 12.8897, 25.5477, 5.0109 by changing the saturation by 10% instead.


 12.8897, 25.5477,
5.0109


 12.8897, 25.5477,
5.0109


203.8615,
280.5546, 158.8742


 7.4291, 16.4856,
2.1948


 30.7085, 52.5444,
16.2812


 3.7806, 9.8684,
0.6714


 43.7974, 71.2477,
25.5725


 1.5788, 5.3118,
0.0000

 60.1598, 93.9336,
37.8593

 0.3785, 2.4313,
0.0000

 80.1610, 120.9864,
53.5601

 0.0000, 0.8419,
0.0000

 104.1665,
152.7905, 73.0934

 0.0000, 0.0000,
0.0000

 132.5414,

189.7303, 96.8779

165.6513,
232.1902, 125.3319

■ 12.8897, 25.5477,
5.0109

■ 12.8897, 25.5477,
5.0109

■ 12.8903, 25.5488,
5.0115

■ 13.2778, 25.7287,
5.9280

■ 13.9189, 26.0297,
7.2865

■ 14.8957, 26.4934,
9.1355

■ 16.2470, 27.1387,
11.5159

■ 18.0064, 27.9823,
14.4643

■ 20.2035, 29.0386,
18.0142

■ 22.8653, 30.3210,
22.1962

■ 26.0164, 31.8416,
27.0391

■ 29.6799, 33.6116,
32.5698

Harmonies

Analogous

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



19.0463, 25.5477, 1.5897



12.8897, 25.5477, 5.0109



10.1680, 25.5477, 17.7529

Triad

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



12.8897, 25.5477, 5.0109



20.4522, 25.5477, 120.3925



46.9642, 25.5477, 14.5424

Complementary

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



12.8897, 25.5477, 5.0109



19.3584, 9.4413, 25.2263

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.



47.6387, 25.5477, 41.1076



12.8897, 25.5477, 5.0109



30.3995, 25.5477, 117.1332

Square

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



12.8897, 25.5477, 5.0109



13.6799, 25.5477, 89.4082



40.9518, 25.5477, 82.2396



39.3006, 25.5477, 4.0073

Rectangle

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



12.8897, 25.5477, 5.0109



10.0125, 25.5477, 35.5016



40.9518, 25.5477, 82.2396



48.0775, 25.5477, 21.3302

Sweetspot

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



12.8903, 25.5488, 5.0115



40.6567, 54.1597, 39.2970



23.4826, 31.0260, 4.7510



8.4861, 11.6705, 7.9460



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.



12.8903, 25.5488, 5.0115



23.0416, 45.7367, 8.7491



15.1421, 26.4495, 16.8694



7.0232, 7.9101, 7.7337



10.3041, 20.4080, 4.0517



0.2273, 0.4331, 0.1417

Inverse Universe

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



19.3584, 9.4413, 25.2263



34.6139, 16.8863, 44.8920



15.4889, 7.8935, 4.8496



7.3225, 7.1854, 8.6846



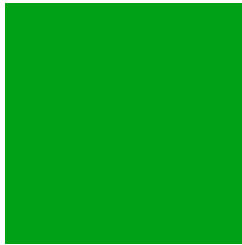
15.4714, 7.5446, 20.2046



0.3358, 0.1628, 0.4811

Previews

White Background



This preview shows how the XYZ color 12.8897, 25.5477, 5.0109 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 12.8897, 25.5477, 5.0109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

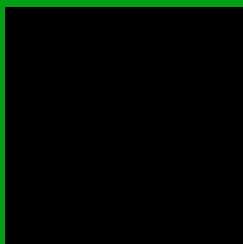
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.8897, 25.5477, 5.0109

Background



This preview shows how black text looks on a background with the XYZ color 12.8897, 25.5477, 5.0109.



This preview shows how white text looks on a background with the XYZ color 12.8897, 25.5477,

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

12.8897, 25.5477, 5.0109

Protanopia

22.6853, 25.1772, 4.0795

Deuteranopia

25.7329, 25.2700, 5.5288



Tritanopia

19.7427, 25.6146, 38.0860

Trichromacy



Original Color

12.8897, 25.5477, 5.0109



Protanomaly

15.5257, 23.2509, 4.1999



Deuteranomaly

16.3779, 22.7708, 4.9708



Tritanomaly

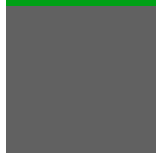
15.4211, 24.7725, 19.0077

Monochromacy



Original Color

12.8897, 25.5477, 5.0109



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.8086, 14.8993, 8.1532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8897, 25.5477, 5.0109 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 22) }
```

Border

The CSS property to change the border of an element to XYZ 12.8897, 25.5477, 5.0109 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, 22) }
```


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

```
.border{ border-color:rgb(0, 161, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 22);  
box-shadow:4px 4px 4px 4px rgb(0, 161, 22)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8897, 25.5477, 5.0109 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, 22) }
```

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

```
.background{ background-color: rgb(0, 161,  
22) }
```

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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