

Converting Colors

XYZ(12.6709, 25.1932, 4.1950)

Have a look what the booklet for
XYZ(12.6709, 25.1932, 4.1950)
contains.

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Color

**XYZ(12.6709, 25.1932,
4.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	08A000
RGB	8, 160, 0
RGB Percent	3%, 63%, 0%
CMY	0.9686, 0.3725, 0.9999
CMYK	0.95, 0.00, 1.00, 0.37
HSL	117°, 100%, 31%
HSV	117°, 100%, 63%
XYZ	12.6709, 25.1932, 4.1950
YIQ	96.3120, -39.2320, -81.9840

Conversions

Conversions Part 2

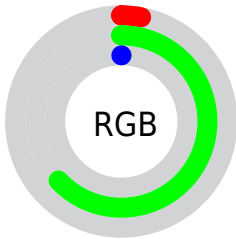
Format	Color
RYB	0, 160, 152
Decimal	565248
CIELab	57.26, -60.37, 58.77
CIELCh	57, 84.248, 135.770
Yxy	25.1932, 0.3013, 0.5990
Android (android.graphics.Color)	4278755328 (0xFF08A000)
YUV	96.3120, -47.4818, -77.4496
Hunter-Lab	50.1928, -42.7761, 30.1797

Details

The XYZ color **12.6709, 25.1932, 4.1950** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.2987, 9.2161, 34.0208**, and the grayscale version is **11.3136, 11.9028, 12.9622**.

A 20% lighter version of the original color is **30.3093, 51.9463, 14.3904**, and **5.2577, 10.5154, 1.7526** is the 20% darker color. If you saturate the color by 10%, you get **12.6712, 25.1941, 4.1951**, and if you desaturate by 10%, it is **13.0229, 25.3646, 4.7003**.

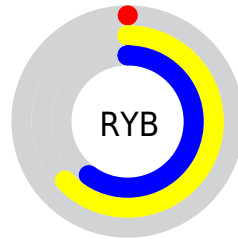
Distribution



Red (3%)

Green (63%)

Blue (0%)



Red (0%)

Yellow (63%)

Blue (60%)

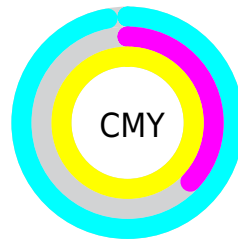


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (97%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6709, 25.1932, 4.1950 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 12.6709, 25.1932, 4.1950 by changing the saturation by 10% instead.

■ 12.6709, 25.1932,
4.1950

■ 12.6709, 25.1932,
4.1950

202.4781,
278.7987, 150.3687

■ 7.2778, 16.2211,
1.7329

■ 30.3176, 51.9705,
14.4570

■ 3.6843, 9.6807,
0.3831

■ 43.3019, 70.5444,
23.0941

■ 1.5251, 5.1878,
0.0000

■ 59.5473, 93.0877,
34.6265

■ 0.3428, 2.3579,
0.0000

■ 79.4192, 119.9848,
49.4729


■ 0.0000, 0.8041,
0.0000


■ 103.2828,
151.6200, 68.0518


■ 0.0000, 0.0000,
0.0000


■ 131.5036,


188.3778, 90.7817


 164.4469,
230.6426, 118.0812


 12.6709, 25.1932,
4.1950


 12.6709, 25.1932,
4.1950

 12.6712, 25.1941,
4.1951

 13.0229, 25.3646,
4.7003

 13.6464, 25.6667,
5.6026

 14.6052, 26.1295,
7.0718

 15.9376, 26.7710,
9.1803

 17.6767, 27.6072,
11.9898

■ 19.8519, 28.6519,
15.5546

■ 22.4900, 29.9179,
19.9237

■ 25.6155, 31.4169,
25.1422

■ 29.2513, 33.1598,
31.2516

Harmonies

Analogous

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



19.1055, 25.1932, 1.2601



12.6709, 25.1932, 4.1950



9.7585, 25.1932, 16.0300

Triad

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



12.6709, 25.1932, 4.1950



19.5365, 25.1932, 122.4402



47.5293, 25.1932, 15.0551

Complementary

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



12.6709, 25.1932, 4.1950



19.2987, 9.2161, 34.0208

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.



47.7400, 25.1932, 43.2564



12.6709, 25.1932, 4.1950



29.5405, 25.1932, 121.4086

Square

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



12.6709, 25.1932, 4.1950



12.9105, 25.1932, 88.5486



40.4700, 25.1932, 86.2910



39.9557, 25.1932, 3.9039

Rectangle

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



12.6709, 25.1932, 4.1950



9.4911, 25.1932, 33.3269



40.4700, 25.1932, 86.2910



48.5220, 25.1932, 22.2752

Sweetspot

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



12.6715, 25.1942, 4.1956



40.5279, 54.1735, 35.6658



25.7267, 29.9315, 4.4219



8.4557, 11.6734, 7.1039



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.



12.6715, 25.1942, 4.1956



22.9556, 45.7173, 7.6144



13.7415, 25.6107, 10.3517



6.5798, 7.4161, 7.0703



9.8816, 19.6309, 3.2683



0.1846, 0.3551, 0.0588

Inverse Universe

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



19.2987, 9.2161, 34.0208



34.9866, 16.7054, 61.7670



16.2598, 8.1789, 9.9561



6.8715, 6.7377, 8.3450



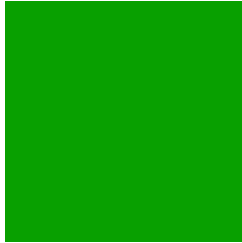
15.0437, 7.1843, 26.5011



0.2779, 0.1331, 0.4743

Previews

White Background



This preview shows how the XYZ color 12.6709, 25.1932, 4.1950 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 12.6709, 25.1932, 4.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

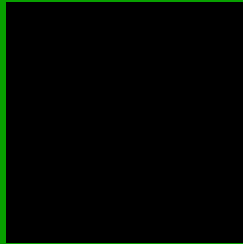
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6709, 25.1932, 4.1950

Background



This preview shows how black text looks on a background with the XYZ color 12.6709, 25.1932, 4.1950.



This preview shows how white text looks on a background with the XYZ color 12.6709, 25.1932,

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

12.6709, 25.1932, 4.1950

Protanopia

22.2721, 24.7613, 3.6056

Deuteranopia

25.2993, 24.8573, 5.0546



Tritanopia

19.4952, 25.2614, 37.5666

Trichromacy



Original Color

12.6709, 25.1932, 4.1950



Protanomaly

15.4922, 23.0175, 3.6263



Deuteranomaly

16.3518, 22.5524, 4.2503



Tritanomaly

14.9162, 24.3226, 16.4789

Monochromacy



Original Color

12.6709, 25.1932, 4.1950



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.5535, 14.6206, 6.7334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6709, 25.1932, 4.1950 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(8, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(8, 160, 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(8, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6709, 25.1932, 4.1950 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(8, 160, 0) }
```


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

```
.border{ border-color:rgb(8, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 160, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 160, 0); box-shadow:4px  
4px 4px 4px rgb(8, 160, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6709, 25.1932, 4.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 160, 0) }
```

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

```
.background{ background-color: rgb(8, 160,  
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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