

Converting Colors

XYZ(11.2693, 24.3172, 3.5641)

Have a look what the booklet for
XYZ(11.2693, 24.3172, 3.5641)
contains.

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Color

**XYZ(12.3981, 24.7963,
4.1327)**

Conversions

Conversions Part 1

Format	Color
Hex	009F00
RGB	0, 159, 0
RGB Percent	0%, 62%, 0%
CMY	1.0000, 0.3765, 0.9999
CMYK	1.00, 0.00, 1.00, 0.38
HSL	120°, 100%, 31%
HSV	120°, 100%, 62%
XYZ	12.3981, 24.7963, 4.1327
YIQ	93.3330, -43.7250, -83.1570

Conversions

Conversions Part 2

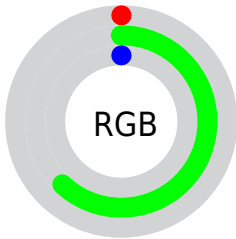
Format	Color
RYB	0, 159, 159
Decimal	40704
CIELab	56.88, -60.55, 58.44
CIELCh	57, 84.146, 136.016
Yxy	24.7963, 0.3000, 0.6000
Android (android.graphics.Color)	4278230784 (0xFF009F00)
YUV	93.3330, -46.0132, -81.8530
Hunter-Lab	49.7959, -42.7001, 29.9365

Details

The XYZ color **12.3981, 24.7963, 4.1327** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.5558, 9.8741, 33.6189**, and the grayscale version is **10.5951, 11.1469, 12.1389**.

A 20% lighter version of the original color is **29.8514, 51.3311, 14.2958**, and **5.1540, 10.3081, 1.7180** is the 20% darker color. If you saturate the color by 10%, you get **12.3987, 24.7974, 4.1333**, and if you desaturate by 10%, it is **12.7035, 24.9438, 4.6319**.

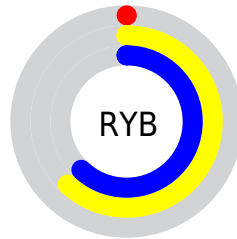
Distribution



Red (0%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (62%)

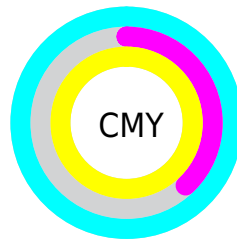


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (100%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3981, 24.7963, 4.1327 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 12.3981, 24.7963, 4.1327 by changing the saturation by 10% instead.

■ 12.3981, 24.7963,
4.1327

■ 12.3981, 24.7963,
4.1327

200.7398,
276.8220, 149.6891

■ 7.0895, 15.9254,
1.6984

■ 29.8287, 51.3266,
14.3147

■ 3.5650, 9.4713,
0.3597

■ 42.6815, 69.7547,
22.8994

■ 1.4591, 5.0499,
0.0000

■ 58.7797, 92.1373,
34.3714

■ 0.2978, 2.2766,
0.0000

■ 78.4887, 118.8589,
49.1492


■ 0.0000, 0.7613,
0.0000


■ 102.1739,
150.3037, 67.6514


■ 0.0000, 0.0000,
0.0000


■ 130.2005,


186.8562, 90.2964


 162.9341,
228.9009, 117.5028


 12.3981, 24.7963,
4.1327


 12.3981, 24.7963,
4.1327


 12.3987, 24.7974,
4.1333

 12.7035, 24.9438,
4.6319

 13.2463, 25.2045,
5.5199

 14.1311, 25.6295,
6.9672

 15.4015, 26.2397,
9.0454

 17.0948, 27.0531,
11.8152

■ 19.2440, 28.0855,
15.3305

■ 21.8784, 29.3509,
19.6396

■ 25.0254, 30.8626,
24.7869

■ 28.7100, 32.6325,
30.8135

Harmonies

Analogous

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



18.7192, 24.7963, 1.2213



12.3981, 24.7963, 4.1327



9.5528, 24.7963, 15.8980

Triad

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



12.3981, 24.7963, 4.1327



19.2812, 24.7963, 121.2483



46.8627, 24.7963, 14.6279

Complementary

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



12.3981, 24.7963, 4.1327



20.5558, 9.8741, 33.6189

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.



47.1381, 24.7963, 42.3424



12.3981, 24.7963, 4.1327



29.1896, 24.7963, 119.8981

Square

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



12.3981, 24.7963, 4.1327



12.7102, 24.7963, 87.8565



39.9917, 24.7963, 84.9031



39.3198, 24.7963, 3.7555

Rectangle

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



12.3981, 24.7963, 4.1327



9.3047, 24.7963, 33.0924



39.9917, 24.7963, 84.9031



47.8673, 24.7963, 21.7036

Sweetspot

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



12.3987, 24.7974, 4.1333



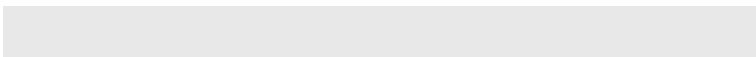
38.8873, 52.4217, 34.6915



26.6974, 32.1686, 4.8021



8.3251, 11.6061, 7.0983



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.



12.3987, 24.7974, 4.1333



22.2040, 44.4079, 7.4018



13.8283, 25.3692, 11.6611



6.5508, 7.4011, 7.0691



9.7925, 19.5849, 3.2645



0.1751, 0.3502, 0.0584

Inverse Universe

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



20.5558, 9.8741, 33.6189



36.8121, 17.6829, 60.2056



15.7283, 7.9431, 8.1974



6.9042, 6.7546, 8.3464



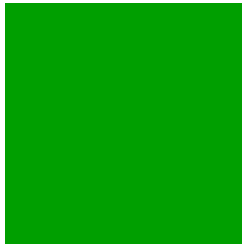
16.2350, 7.7986, 26.5522



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 12.3981, 24.7963, 4.1327 looks on a white background.

Color Contrast Check

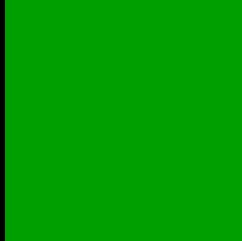
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3981, 24.7963, 4.1327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

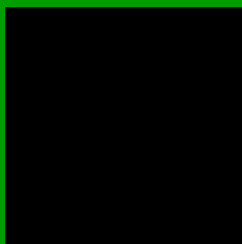
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.3981, 24.7963, 4.1327

Background



This preview shows how black text looks on a background with the XYZ color 12.3981, 24.7963, 4.1327.



This preview shows how white text looks on a background with the XYZ color 12.3981, 24.7963,

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

12.3981, 24.7963, 4.1327

Protanopia

21.9410, 24.3806, 3.5495

Deuteranopia

24.9336, 24.4739, 4.9232



Tritanopia

19.2498, 24.9112, 37.0515

Trichromacy



Original Color

12.3981, 24.7963, 4.1327



Protanomaly

14.9030, 22.4879, 3.5551



Deuteranomaly

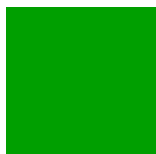
15.8296, 22.0653, 4.1838



Tritanomaly

14.6228, 23.9294, 16.4185

Monochromacy



Original Color

12.3981, 24.7963, 4.1327



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

8.9543, 13.9682, 6.3619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3981, 24.7963, 4.1327 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, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 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, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3981, 24.7963, 4.1327 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, 159, 0) }
```


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

```
.border{ border-color:rgb(0, 159, 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, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 159, 0); box-shadow:4px  
4px 4px 4px rgb(0, 159, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3981, 24.7963, 4.1327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 0) }
```

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

```
.background{ background-color: rgb(0, 159,  
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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