

Converting Colors

XYZ(12.5188, 22.5728, 11.7716)

Have a look what the booklet for
XYZ(12.5188, 22.5728, 11.7716)
contains.

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Color

**XYZ(12.4293, 22.4219,
11.6554)**

Conversions

Conversions Part 1

Format	Color
Hex	009652
RGB	0, 150, 82
RGB Percent	0%, 59%, 32%
CMY	1.0000, 0.4118, 0.6784
CMYK	1.00, 0.00, 0.45, 0.41
HSL	153°, 100%, 29%
HSV	153°, 100%, 59%
XYZ	12.4293, 22.4219, 11.6554
YIQ	97.3980, -67.5720, -52.9480

Conversions

Conversions Part 2

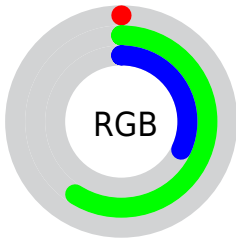
Format	Color
RYB	0, 97, 150
Decimal	38482
CIELab	54.47, -49.97, 26.54
CIELCh	54, 56.580, 152.025
Yxy	22.4219, 0.2673, 0.4821
Android (android.graphics.Color)	4278228562 (0xFF009652)
YUV	97.3980, -7.5912, -85.4180
Hunter-Lab	47.3518, -36.0114, 18.5523

Details

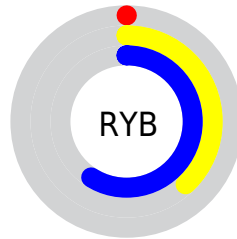
The XYZ color **12.4293, 22.4219, 11.6554** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.6217, 6.9017, 6.0835**, and the grayscale version is **11.4909, 12.0893, 13.1652**.

A 20% lighter version of the original color is **29.8339, 47.3070, 29.3886**, and **4.6711, 8.8567, 3.0534** is the 20% darker color. If you saturate the color by 10%, you get **12.4298, 22.4228, 11.6557**, and if you desaturate by 10%, it is **12.8987, 22.6331, 13.0964**.

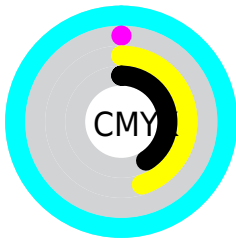
Distribution



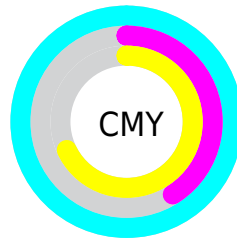
- Red (0%)
- Green (59%)
- Blue (32%)



- Red (0%)
- Yellow (38%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4293, 22.4219, 11.6554 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 12.4293, 22.4219, 11.6554 by changing the saturation by 10% instead.

■ 12.4293, 22.4219,
11.6554

■ 12.4293, 22.4219,
11.6554

200.9394,
264.7417, 213.0067

■ 7.1110, 14.1672,
6.3898

■ 29.8847, 47.4423,
29.5209

■ 3.5786, 8.2371,
3.0109

■ 42.7526, 64.9769,
42.9578

■ 1.4666, 4.2470,
1.1002

■ 58.8677, 86.3735,
59.9556

■ 0.3029, 1.8127,
0.0000

■ 78.5954, 112.0166,
80.9329

■ 0.0000, 0.4951,
0.0000

■ 102.3011,
142.2906, 106.3081

■ 0.0000, 0.0000,
0.0000

■ 130.3501,

177.5798, 136.4997

163.1077,
218.2687, 171.9264

■ 12.4293, 22.4219,
11.6554

■ 12.4293, 22.4219,
11.6554

■ 12.4298, 22.4228,
11.6557

■ 12.8987, 22.6331,
13.0964

■ 13.5353, 22.9268,
14.6825

■ 14.4074, 23.3388,
16.4207

■ 15.5417, 23.8828,
18.3159

■ 16.9612, 24.5706,
20.3725

■ 18.6864, 25.4125,
22.5945

■ 20.7356, 26.4181,
24.9860

■ 23.1258, 27.5960,
27.5508

■ 25.8725, 28.9542,
30.2926

Harmonies

Analogous

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



15.5994, 22.4219, 5.4117



12.4293, 22.4219, 11.6554



11.4880, 22.4219, 25.6389

Triad

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



12.4293, 22.4219, 11.6554



21.7350, 22.4219, 76.8209



33.0861, 22.4219, 10.4261

Complementary

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



12.4293, 22.4219, 11.6554



13.6217, 6.9017, 6.0835

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.



35.5656, 22.4219, 23.2280



12.4293, 22.4219, 11.6554



28.2708, 22.4219, 66.2471

Square

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



12.4293, 22.4219, 11.6554



16.1990, 22.4219, 68.6198



33.6536, 22.4219, 44.1611



27.3998, 22.4219, 4.9821

Rectangle

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



12.4293, 22.4219, 11.6554



12.0682, 22.4219, 39.5675



33.6536, 22.4219, 44.1611



34.3670, 22.4219, 13.7270

Sweetspot

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



12.4299, 22.4228, 11.6559



36.3616, 46.5069, 43.8345



13.4328, 23.1157, 3.7539



7.7415, 10.1509, 9.3528



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.4299, 22.4228, 11.6559



21.8459, 39.5340, 20.0996



15.6311, 22.4537, 32.3655



5.8542, 6.5183, 6.8433



10.3249, 18.6028, 9.7527



0.1413, 0.2336, 0.1978

Inverse Universe

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



13.6217, 6.9017, 6.0835



23.9524, 12.1451, 10.2833



12.6325, 6.5929, 0.6068



5.9036, 5.8565, 6.5983



11.3129, 5.7302, 5.1285



0.1530, 0.0760, 0.1394

Previews

White Background



This preview shows how the XYZ color 12.4293, 22.4219, 11.6554 looks on a white background.

Color Contrast Check

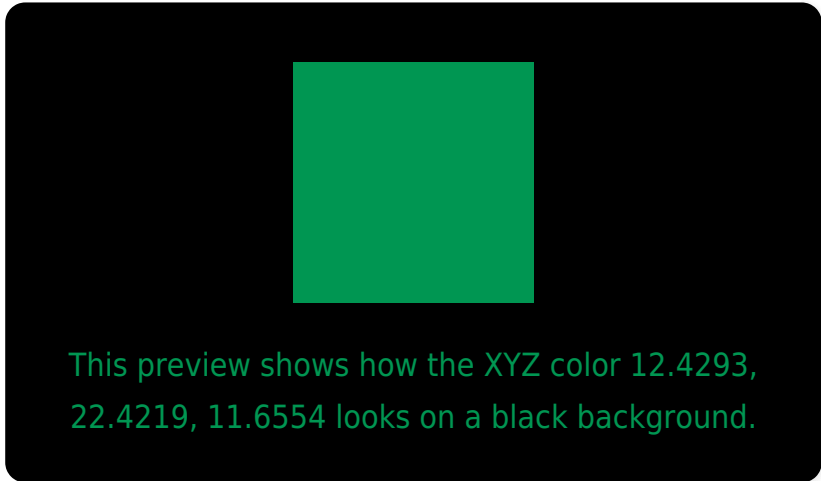
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 12.4293, 22.4219, 11.6554

Background



This preview shows how black text looks on a background with the XYZ color 12.4293, 22.4219, 11.6554.



This preview shows how white text looks on a background with the XYZ color 12.4293, 22.4219,

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

12.4293, 22.4219, 11.6554

Protanopia

20.3740, 22.2105, 9.6918

Deuteranopia

22.4867, 22.0884, 12.3108



Tritanopia

17.0537, 22.4867, 33.5785

Trichromacy



Original Color

12.4293, 22.4219, 11.6554



Protanomaly

14.5017, 20.6008, 10.2332



Deuteranomaly

15.2128, 20.0996, 11.8819



Tritanomaly

14.6837, 22.1582, 23.5817

Monochromacy



Original Color

12.4293, 22.4219, 11.6554



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

10.1638, 14.2876, 12.3473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4293, 22.4219, 11.6554 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, 150, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 82)  
}
```

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, 150, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.4293, 22.4219, 11.6554 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, 150, 82) }
```


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

```
.border{ border-color:rgb(0, 150, 82) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4293, 22.4219, 11.6554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 82) }
```

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

```
.background{ background-color: rgb(0, 150,  
82) }
```

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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