

Converting Colors

XYZ(7.2802, 19.1729, 4.8519)

Have a look what the booklet for
XYZ(7.2802, 19.1729, 4.8519)
contains.

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Color

**XYZ(10.7225, 20.9829,
4.9984)**

Conversions

Conversions Part 1

Format	Color
Hex	009322
RGB	0, 147, 34
RGB Percent	0%, 58%, 13%
CMY	1.0000, 0.4235, 0.8666
CMYK	1.00, 0.00, 0.77, 0.42
HSL	134°, 100%, 29%
HSV	134°, 100%, 58%
XYZ	10.7225, 20.9829, 4.9984
YIQ	90.1650, -51.3390, -66.3070

Conversions

Conversions Part 2

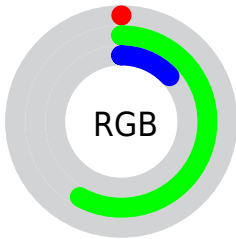
Format	Color
RYB	0, 119, 147
Decimal	37666
CIELab	52.93, -55.52, 47.23
CIELCh	53, 72.894, 139.610
Yxy	20.9829, 0.2921, 0.5717
Android (android.graphics.Color)	4278227746 (0xFF009322)
YUV	90.1650, -27.6893, -79.0747
Hunter-Lab	45.8071, -38.3792, 25.5953

Details

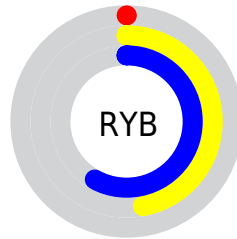
The XYZ color **10.7225, 20.9829, 4.9984** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.0140, 7.3958, 16.2603**, and the grayscale version is **9.8247, 10.3364, 11.2563**.

A 20% lighter version of the original color is **26.7713, 44.9554, 16.2831**, and **4.0922, 8.1844, 1.3641** is the 20% darker color. If you saturate the color by 10%, you get **10.7228, 20.9837, 4.9985**, and if you desaturate by 10%, it is **11.1059, 21.1591, 6.0123**.

Distribution



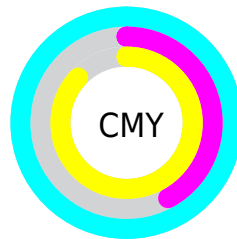
- Red (0%)
- Green (58%)
- Blue (13%)



- Red (0%)
- Yellow (47%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7225, 20.9829, 4.9984 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 10.7225, 20.9829, 4.9984 by changing the saturation by 10% instead.

■ 10.7225, 20.9829,
4.9984

■ 10.7225, 20.9829,
4.9984

189.7016,
257.1876, 158.7489

■ 5.9465, 13.1115,
2.1876

■ 26.7834, 45.0591,
16.2538

■ 2.8529, 7.5054,
0.6672

■ 38.7990, 62.0326,
25.5354

■ 1.0765, 3.7801,
0.0000

■ 53.9584, 82.8091,
37.8111

■ 0.0053, 1.5513,
0.0000

■ 72.6271, 107.7727,
53.4994

■ 0.0000, 0.3245,
0.0000

■ 95.1705, 137.3080,
73.0187

■ 0.0000, 0.0000,
0.0000

■ 121.9537,

171.7993, 96.7878

153.3423,
211.6310, 125.2250

■ 10.7225, 20.9829,
4.9984

■ 10.7225, 20.9829,
4.9984

■ 10.7228, 20.9837,
4.9985

■ 11.1059, 21.1591,
6.0123

■ 11.6811, 21.4269,
7.3397

■ 12.5180, 21.8223,
9.0062

■ 13.6452, 22.3597,
11.0332

■ 15.0875, 23.0514,
13.4405

■ 16.8671, 23.9086,
16.2460

■ 19.0038, 24.9410,
19.4669

■ 21.5162, 26.1580,
23.1191

■ 24.4215, 27.5680,
27.2178

Harmonies

Analogous

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



15.4117, 20.9829, 1.7198



10.7225, 20.9829, 4.9984



8.7094, 20.9829, 16.0730

Triad

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



10.7225, 20.9829, 4.9984



17.4118, 20.9829, 94.1586



37.2128, 20.9829, 11.4428

Complementary

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



10.7225, 20.9829, 4.9984



15.0140, 7.3958, 16.2603

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.



38.1461, 20.9829, 31.2978



10.7225, 20.9829, 4.9984



25.2869, 20.9829, 89.7338

Square

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



10.7225, 20.9829, 4.9984



11.8640, 20.9829, 72.1530



33.3430, 20.9829, 62.3481



31.0475, 20.9829, 3.4564

Rectangle

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



10.7225, 20.9829, 4.9984



8.6894, 20.9829, 30.6081



33.3430, 20.9829, 62.3481



38.1996, 20.9829, 16.5228

Sweetspot

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



10.7230, 20.9838, 4.9989



33.7748, 44.5399, 34.4804



17.5246, 24.5235, 3.8101



7.3612, 9.9988, 7.3503



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.



10.7230, 20.9838, 4.9989



19.1444, 37.5544, 8.6457



13.0022, 21.8955, 17.0011



5.7813, 6.4891, 6.4592



9.3041, 18.1944, 4.3772



0.1236, 0.2266, 0.1050

Inverse Universe

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



15.0140, 7.3958, 16.2603



26.8165, 13.2159, 28.7481



12.4449, 6.3681, 2.7316



5.9785, 5.8865, 6.9931



13.0255, 6.4152, 14.1471



0.1706, 0.0830, 0.2322

Previews

White Background



This preview shows how the XYZ color 10.7225, 20.9829, 4.9984 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 10.7225, 20.9829, 4.9984 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 10.7225, 20.9829, 4.9984

Background



This preview shows how black text looks on a background with the XYZ color 10.7225, 20.9829, 4.9984.



This preview shows how white text looks on a background with the XYZ color 10.7225, 20.9829,

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

10.7225, 20.9829, 4.9984

Protanopia

18.6671, 20.6731, 4.1688

Deuteranopia

20.9946, 20.5590, 5.4465



Tritanopia

16.2154, 21.0215, 31.2199

Trichromacy



Original Color

10.7225, 20.9829, 4.9984



Protanomaly

12.9889, 19.3228, 4.3414



Deuteranomaly

13.5237, 18.5770, 5.0634



Tritanomaly

13.0154, 20.5426, 17.1891

Monochromacy



Original Color

10.7225, 20.9829, 4.9984



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

8.4773, 12.6809, 7.7952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7225, 20.9829, 4.9984 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, 147, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 34)  
}
```

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, 147, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 34) }
```

Border

The CSS property to change the border of an element to XYZ 10.7225, 20.9829, 4.9984 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, 147, 34) }
```


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

```
.border{ border-color:rgb(0, 147, 34) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 34)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.7225, 20.9829, 4.9984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 34) }
```

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

```
.background{ background-color: rgb(0, 147,  
34) }
```

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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