

Converting Colors

XYZ(9.9591, 19.6708, 3.2719)

Have a look what the booklet for
XYZ(9.9591, 19.6708, 3.2719)
contains.

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Color

**XYZ(9.9884, 19.7305,
3.2819)**

Conversions

Conversions Part 1

Format	Color
Hex	0D8F00
RGB	13, 143, 0
RGB Percent	5%, 56%, 0%
CMY	0.9490, 0.4392, 1.0000
CMYK	0.91, 0.00, 1.00, 0.44
HSL	115°, 100%, 28%
HSV	115°, 100%, 56%
XYZ	9.9884, 19.7305, 3.2819
YIQ	87.8280, -31.5770, -72.0330

Conversions

Conversions Part 2

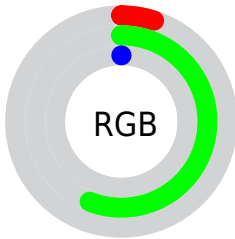
Format	Color
RYB	0, 143, 130
Decimal	888576
CIELab	51.53, -55.13, 54.19
CIELCh	52, 77.305, 135.493
Yxy	19.7305, 0.3027, 0.5979
Android (android.graphics.Color)	4279078656 (0xFF0D8F00)
YUV	87.8280, -43.2992, -65.6242
Hunter-Lab	44.4190, -37.5944, 26.7127

Details

The XYZ color **9.9884, 19.7305, 3.2819** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **14.1667, 6.7306, 26.5402**, and the grayscale version is **9.3350, 9.8212, 10.6953**.

A 20% lighter version of the original color is **25.4237, 42.9671, 12.2637**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **9.9887, 19.7312, 3.2821**, and if you desaturate by 10%, it is **10.3302, 19.8979, 3.7228**.

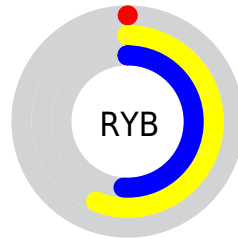
Distribution



Red (5%)

Green (56%)

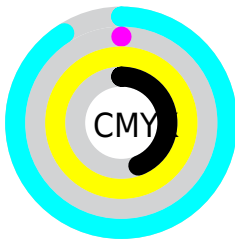
Blue (0%)



Red (0%)

Yellow (56%)

Blue (51%)

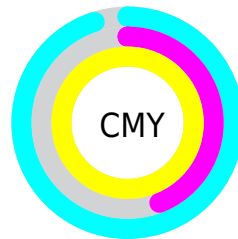


Cyan (91%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (95%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9884, 19.7305, 3.2819 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 9.9884, 19.7305, 3.2819 by changing the saturation by 10% instead.

■ 9.9884, 19.7305,
3.2819

■ 9.9884, 19.7305,
3.2819

184.6446,
250.4524, 139.8738

■ 5.4535, 12.1993,
1.2403

■ 25.4236, 42.9649,
12.3165

■ 2.5532, 6.8796,
0.0121

■ 37.0545, 59.4369,
20.1465

■ 0.9221, 3.3869,
0.0000

■ 51.7815, 79.6579,
30.7432

■ 0.0000, 1.3369,
0.0000

■ 69.9699, 104.0123,
44.5249


■ 0.0000, 0.1695,
0.0000


■ 91.9850, 132.8846,
61.9103


■ 0.0000, 0.0000,
0.0000


■ 118.1923,


166.6591, 83.3179


 148.9570,
205.7202, 109.1662


 9.9884, 19.7305,
3.2819


 9.9884, 19.7305,
3.2819


 9.9887, 19.7312,
3.2821

 10.3302, 19.8979,
3.7228

 10.8765, 20.1639,
4.4561

 11.6735, 20.5496,
5.6281

 12.7468, 21.0672,
7.2931

 14.1189, 21.7272,
9.4972

■ 15.8099, 22.5390,
12.2815

■ 17.8383, 23.5115,
15.6830

■ 20.2209, 24.6526,
19.7355

■ 22.9737, 25.9697,
24.4706

Harmonies

Analogous

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



15.0386, 19.7305, 1.0038



9.9884, 19.7305, 3.2819



7.6886, 19.7305, 12.4479

Triad

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



9.9884, 19.7305, 3.2819



15.2539, 19.7305, 95.2430



37.1510, 19.7305, 11.9603

Complementary

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



9.9884, 19.7305, 3.2819



14.1667, 6.7306, 26.5402

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.



37.2560, 19.7305, 34.0840



9.9884, 19.7305, 3.2819



23.0342, 19.7305, 94.7298

Square

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



9.9884, 19.7305, 3.2819



10.1083, 19.7305, 68.7304



31.5544, 19.7305, 67.6065



31.2980, 19.7305, 3.1354

Rectangle

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



9.9884, 19.7305, 3.2819



7.4658, 19.7305, 25.8450



31.5544, 19.7305, 67.6065



37.9042, 19.7305, 17.6420

Sweetspot

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



9.9889, 19.7313, 3.2823



31.6927, 41.9832, 27.6598



19.1395, 21.4624, 3.1342



6.9397, 9.4704, 5.7906



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



9.9889, 19.7313, 3.2823



17.8200, 35.2993, 5.8742



10.5667, 19.9433, 7.1906



5.3855, 6.0514, 5.7736



8.8404, 17.4500, 2.9022



0.0917, 0.1706, 0.0281

Inverse Universe

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



14.1667, 6.7306, 26.5402



25.2936, 12.0136, 47.5238



13.0002, 6.5089, 9.3342



5.5787, 5.4865, 6.7937



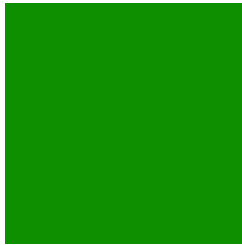
12.5344, 5.9553, 23.4659



0.1290, 0.0616, 0.2248

Previews

White Background



This preview shows how the XYZ color 9.9884, 19.7305, 3.2819 looks on a white background.

Color Contrast Check

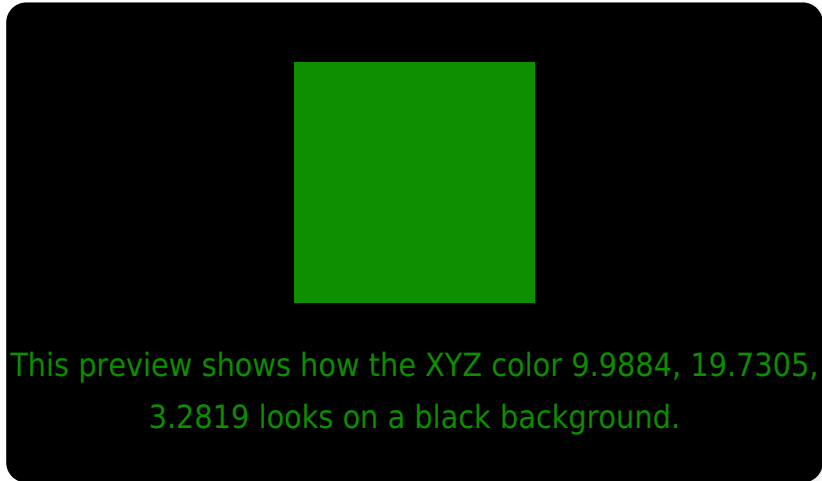
Large Text (above 18pt) WCAG AA ✓ Pass

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

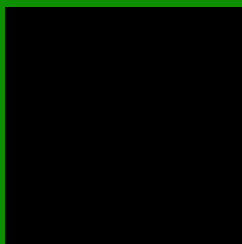
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 9.9884, 19.7305, 3.2819

Background



This preview shows how black text looks on a background with the XYZ color 9.9884, 19.7305, 3.2819.



This preview shows how white text looks on a background with the XYZ color 9.9884, 19.7305,

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

9.9884, 19.7305, 3.2819

Protanopia

17.5642, 19.5692, 2.8515

Deuteranopia

19.8191, 19.4597, 4.0078



Tritanopia

15.3460, 19.7808, 29.3948

Trichromacy



Original Color

9.9884, 19.7305, 3.2819



Protanomaly

12.4968, 18.2924, 2.8721



Deuteranomaly

13.1806, 17.8558, 3.4136



Tritanomaly

11.9161, 19.1995, 13.2030

Monochromacy



Original Color

9.9884, 19.7305, 3.2819



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.0008, 12.0027, 5.6365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9884, 19.7305, 3.2819 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(13, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(13, 143, 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(13, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.9884, 19.7305, 3.2819 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(13, 143, 0) }
```


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

```
.border{ border-color:rgb(13, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(13, 143, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.9884, 19.7305, 3.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 143, 0) }
```

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

```
.background{ background-color: rgb(13, 143,  
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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