

Converting Colors

XYZ(12.8888, 19.4097, 2.7988)

Have a look what the booklet for
XYZ(12.8888, 19.4097, 2.7988)
contains.

XYZ(12.9784, 19.5521, 3.0899)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9784, 19.5521,
3.0899)**

Conversions

Conversions Part 1

Format	Color
Hex	5B8700
RGB	91, 135, 0
RGB Percent	36%, 53%, 0%
CMY	0.6431, 0.4706, 1.0000
CMYK	0.33, 0.00, 1.00, 0.47
HSL	80°, 100%, 26%
HSV	80°, 100%, 53%
XYZ	12.9784, 19.5521, 3.0899
YIQ	106.4540, 17.1110, -51.3130

Conversions

Conversions Part 2

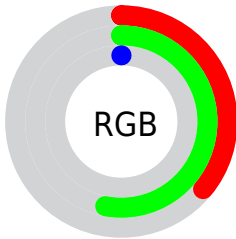
Format	Color
RYB	0, 135, 44
Decimal	5998336
CIELab	51.33, -32.73, 55.08
CIELCh	51, 64.068, 120.721
Yxy	19.5521, 0.3644, 0.5489
Android (android.graphics.Color)	4284188416 (0xFF5B8700)
YUV	106.4540, -52.4818, -13.5532
Hunter-Lab	44.2178, -24.9894, 26.8093

Details

The XYZ color **12.9784, 19.5521, 3.0899** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.4127, 2.2853, 23.0786**, and the grayscale version is **13.9619, 14.6890, 15.9963**.

A 20% lighter version of the original color is **31.0648, 42.9114, 11.9556**, and **4.0478, 6.9091, 1.1202** is the 20% darker color. If you saturate the color by 10%, you get **12.9785, 19.5528, 3.0900**, and if you desaturate by 10%, it is **13.5014, 19.8136, 3.5110**.

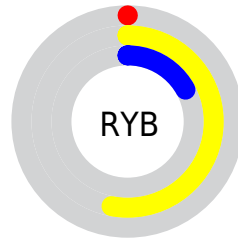
Distribution



Red (36%)

Green (53%)

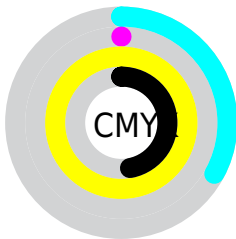
Blue (0%)



Red (0%)

Yellow (53%)

Blue (17%)

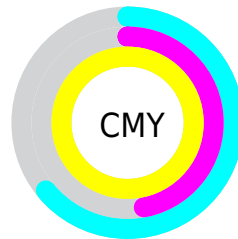


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (64%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9784, 19.5521, 3.0899 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 12.9784, 19.5521, 3.0899 by changing the saturation by 10% instead.

■ 12.9784, 19.5521,
3.0899

■ 12.9784, 19.5521,
3.0899

204.4196,
249.4799, 137.4975

■ 7.4906, 12.0699,
1.1407

■ 30.8666, 42.6650,
11.8495

■ 3.8198, 6.7913,
0.0000

■ 43.9977, 59.0644,
19.4970

■ 1.6007, 3.3319,
0.0000

■ 60.4073, 79.2050,
29.8809

■ 0.3929, 1.3074,
0.0000

■ 80.4607, 103.4712,
43.4200


■ 0.0000, 0.1469,
0.0000


■ 104.5232,
132.2475, 60.5326


■ 0.0000, 0.0000,
0.0000


■ 132.9604,


165.9180, 81.6374


 166.1373,
204.8674, 107.1528


 12.9784, 19.5521,
3.0899


 12.9784, 19.5521,
3.0899


 12.9785, 19.5528,
3.0900

 13.5014, 19.8136,
3.5110

 14.0959, 20.1060,
4.1754

 14.7885, 20.4406,
5.2193

 15.5884, 20.8213,
6.6887

 16.5034, 21.2511,
8.6230

■ 17.5405, 21.7330,
11.0572

■ 18.7062, 22.2695,
14.0230

■ 20.0063, 22.8630,
17.5493

■ 21.4462, 23.5157,
21.6630

Harmonies

Analogous

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



18.4292, 19.5521, 1.9157



12.9784, 19.5521, 3.0899



9.7825, 19.5521, 8.2843

Triad

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



12.9784, 19.5521, 3.0899



13.1908, 19.5521, 69.2128



33.8077, 19.5521, 20.8483

Complementary

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



12.9784, 19.5521, 3.0899



5.4127, 2.2853, 23.0786

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.



31.5196, 19.5521, 43.6001



12.9784, 19.5521, 3.0899



18.7390, 19.5521, 79.5665

Square

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



12.9784, 19.5521, 3.0899



9.8839, 19.5521, 44.8513



25.6073, 19.5521, 68.2436



31.2997, 19.5521, 7.8814

Rectangle

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



12.9784, 19.5521, 3.0899



8.8910, 19.5521, 16.0961



25.6073, 19.5521, 68.2436



33.5697, 19.5521, 27.4933

Sweetspot

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



12.9788, 19.5530, 3.0903



33.3484, 39.8100, 24.7196



10.8473, 6.8613, 0.7529



7.5406, 9.1358, 5.2526



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.9788, 19.5530, 3.0903



23.0681, 34.9245, 5.5253



9.0594, 17.5324, 2.9069



4.8961, 5.3490, 5.0038



11.9815, 18.0366, 2.8499



0.0492, 0.0664, 0.0102

Inverse Universe

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



5.4127, 2.2853, 23.0786



9.5391, 4.0129, 41.3202



10.8356, 5.0809, 23.3324



4.5669, 4.6128, 5.8504



5.0036, 2.1136, 21.2809



0.0244, 0.0110, 0.0741

Previews

White Background



This preview shows how the XYZ color 12.9784, 19.5521, 3.0899 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 12.9784, 19.5521, 3.0899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

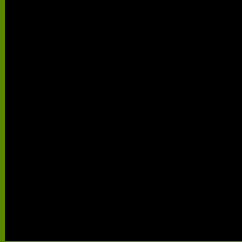
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9784, 19.5521, 3.0899

Background



This preview shows how black text looks on a background with the XYZ color 12.9784, 19.5521, 3.0899.

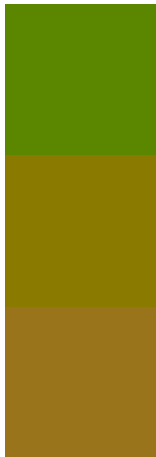


This preview shows how white text looks on a background with the XYZ color 12.9784, 19.5521,

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

12.9784, 19.5521, 3.0899

Protanopia

17.4408, 19.3223, 2.8104

Deuteranopia

19.7583, 19.4354, 3.6873



Tritanopia

17.5325, 19.4198, 25.7460

Trichromacy



Original Color

12.9784, 19.5521, 3.0899

Protanomaly

15.4745, 19.2437, 2.8988

Deuteranomaly

16.5442, 19.0317, 3.3318

Tritanomaly

14.7855, 19.0817, 11.7080

Monochromacy



Original Color

12.9784, 19.5521, 3.0899

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.7412, 15.8945, 7.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9784, 19.5521, 3.0899 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(91, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 135, 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(91, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.9784, 19.5521, 3.0899 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(91, 135, 0) }
```


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

```
.border{ border-color:rgb(91, 135, 0) }
```

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

Here you see how a box with a 4 pixel rgb(91, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 135, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9784, 19.5521, 3.0899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 135, 0) }
```

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

```
.background{ background-color: rgb(91, 135,  
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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