

Converting Colors

XYZ(10.7961, 19.6019, 0.7188)

Have a look what the booklet for
XYZ(10.7961, 19.6019, 0.7188)
contains.

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Color

**XYZ(11.2416, 19.7168,
3.2132)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8C00
RGB	60, 140, 0
RGB Percent	24%, 55%, 0%
CMY	0.7647, 0.4510, 1.0000
CMYK	0.57, 0.00, 1.00, 0.45
HSL	94°, 100%, 27%
HSV	94°, 100%, 55%
XYZ	11.2416, 19.7168, 3.2132
YIQ	100.1200, -2.7400, -60.5000

Conversions

Conversions Part 2

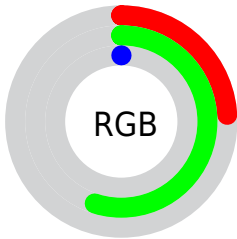
Format	Color
RYB	0, 140, 80
Decimal	3968000
CIELab	51.52, -45.58, 54.60
CIELCh	52, 71.127, 129.856
Yxy	19.7168, 0.3290, 0.5770
Android (android.graphics.Color)	4282158080 (0xFF3C8C00)
YUV	100.1200, -49.3592, -35.1852
Hunter-Lab	44.4036, -32.5157, 26.7921

Details

The XYZ color **11.2416, 19.7168, 3.2132** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.0431, 3.5997, 25.0828**, and the grayscale version is **12.2672, 12.9061, 14.0547**.

A 20% lighter version of the original color is **27.6410, 42.7707, 12.1089**, and **3.5724, 7.1448, 1.1908** is the 20% darker color. If you saturate the color by 10%, you get **11.2417, 19.7175, 3.2134**, and if you desaturate by 10%, it is **11.8418, 20.0177, 3.6555**.

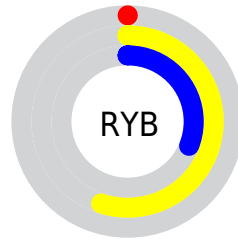
Distribution



Red (24%)

Green (55%)

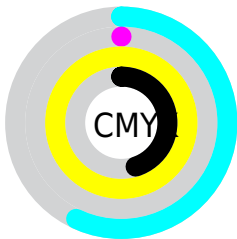
Blue (0%)



Red (0%)

Yellow (55%)

Blue (31%)

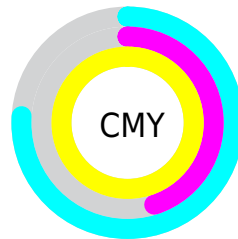


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (76%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2416, 19.7168, 3.2132 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 11.2416, 19.7168, 3.2132 by changing the saturation by 10% instead.

■ 11.2416, 19.7168,
3.2132

■ 11.2416, 19.7168,
3.2132

193.1919,
250.3778, 139.0314

■ 6.2981, 12.1894,
1.2045

■ 27.7351, 42.9419,
12.1501

■ 3.0695, 6.8728,
0.0000

■ 40.0157, 59.4083,
19.9155

■ 1.1906, 3.3827,
0.0000

■ 55.4728, 79.6231,
30.4367

■ 0.0990, 1.3346,
0.0000

■ 74.4717, 103.9708,
44.1325


■ 0.0000, 0.1678,
0.0000


■ 97.3776, 132.8357,
61.4213


■ 0.0000, 0.0000,
0.0000


■ 124.5561,


166.6023, 82.7217


 156.3724,
205.6549, 108.4522


 11.2416, 19.7168,
3.2132


 11.2416, 19.7168,
3.2132


 11.2417, 19.7175,
3.2134

 11.8418, 20.0177,
3.6555

 12.5689, 20.3774,
4.3700

 13.4530, 20.8091,
5.4990

 14.5065, 21.3181,
7.0929

 15.7403, 21.9088,
9.1953

■ 17.1641, 22.5857,
11.8446

■ 18.7868, 23.3524,
15.0753

■ 20.6169, 24.2126,
18.9194

■ 22.6620, 25.1697,
23.4064

Harmonies

Analogous

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



16.4853, 19.7168, 1.3534



11.2416, 19.7168, 3.2132



8.5736, 19.7168, 10.5675

Triad

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



11.2416, 19.7168, 3.2132



14.3952, 19.7168, 83.6597



35.7999, 19.7168, 15.4123

Complementary

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



11.2416, 19.7168, 3.2132



8.0431, 3.5997, 25.0828

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.



34.8270, 19.7168, 38.0726



11.2416, 19.7168, 3.2132



21.1920, 19.7168, 88.2648

Square

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



11.2416, 19.7168, 3.2132



10.0473, 19.7168, 57.8520



28.9974, 19.7168, 68.0634



31.3914, 19.7168, 4.8352

Rectangle

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



11.2416, 19.7168, 3.2132



8.0842, 19.7168, 21.3693



28.9974, 19.7168, 68.0634



36.1130, 19.7168, 21.5675

Sweetspot

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



11.2421, 19.7176, 3.2136



32.9272, 41.0785, 26.1817



13.6362, 11.2167, 1.4466



7.3340, 9.3460, 5.5214



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.2421, 19.7176, 3.2136



19.6421, 34.6703, 5.6568



9.4298, 18.7775, 3.3957



5.1618, 5.7062, 5.3817



10.0102, 17.5304, 2.8561



0.0827, 0.1248, 0.0197

Inverse Universe

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



8.0431, 3.5997, 25.0828



13.9925, 6.2493, 44.2117



14.8901, 7.2056, 21.9616



5.0303, 5.0240, 6.3105



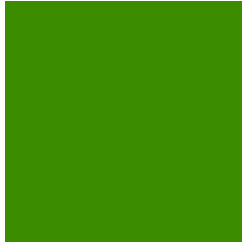
7.1688, 3.2098, 22.2874



0.0644, 0.0300, 0.1488

Previews

White Background



This preview shows how the XYZ color 11.2416, 19.7168, 3.2132 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 11.2416, 19.7168, 3.2132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

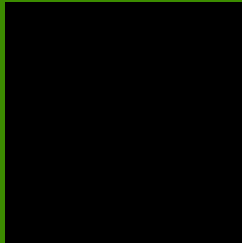
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.2416, 19.7168, 3.2132

Background



This preview shows how black text looks on a background with the XYZ color 11.2416, 19.7168, 3.2132.



This preview shows how white text looks on a background with the XYZ color 11.2416, 19.7168,

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

11.2416, 19.7168, 3.2132

Protanopia

17.4408, 19.3223, 2.8104

Deuteranopia

19.7936, 19.4495, 3.8733



Tritanopia

16.1837, 19.6377, 28.1368

Trichromacy



Original Color

11.2416, 19.7168, 3.2132

Protanomaly

14.2807, 19.0155, 2.9177

Deuteranomaly

15.1885, 18.7040, 3.3820

Tritanomaly

13.1182, 19.2048, 12.6884

Monochromacy



Original Color

11.2416, 19.7168, 3.2132

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

10.8025, 14.5629, 7.0921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2416, 19.7168, 3.2132 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(60, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 140, 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(60, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 140, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.2416, 19.7168, 3.2132 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(60, 140, 0) }
```


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

```
.border{ border-color:rgb(60, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(60, 140, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.2416, 19.7168, 3.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 140, 0) }
```

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

```
.background{ background-color: rgb(60, 140,  
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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