

Converting Colors

XYZ(17.7538, 22.6551, 0.8865)

Have a look what the booklet for
XYZ(17.7538, 22.6551, 0.8865)
contains.

XYZ(18.2944, 22.9228, 3.4603)	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(18.2944, 22.9228,
3.4603)**

Conversions

Conversions Part 1

Format	Color
Hex	828A00
RGB	130, 138, 0
RGB Percent	51%, 54%, 0%
CMY	0.4902, 0.4588, 1.0000
CMYK	0.06, 0.00, 1.00, 0.46
HSL	63°, 100%, 27%
HSV	63°, 100%, 54%
XYZ	18.2944, 22.9228, 3.4603
YIQ	119.8760, 39.5300, -44.6140

Conversions

Conversions Part 2

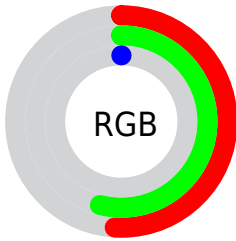
Format	Color
RYB	0, 138, 8
Decimal	8555008
CIELab	54.99, -17.31, 59.05
CIELCh	55, 61.537, 106.342
Yxy	22.9228, 0.4095, 0.5131
Android (android.graphics.Color)	4286745088 (0xFF828A00)
YUV	119.8760, -59.0989, 8.8787
Hunter-Lab	47.8778, -15.5801, 29.2293

Details

The XYZ color **18.2944, 22.9228, 3.4603** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.6881, 1.8870, 24.1633**, and the grayscale version is **17.9879, 18.9247, 20.6090**.

A 20% lighter version of the original color is **39.9239, 48.1181, 12.6523**, and **6.5503, 8.5572, 1.3065** is the 20% darker color. If you saturate the color by 10%, you get **18.2948, 22.9238, 3.4605**, and if you desaturate by 10%, it is **18.4961, 23.0186, 3.8769**.

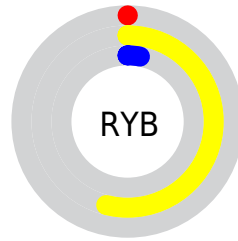
Distribution



Red (51%)

Green (54%)

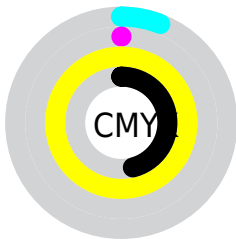
Blue (0%)



Red (0%)

Yellow (54%)

Blue (3%)

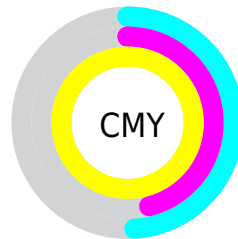


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (49%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2944, 22.9228, 3.4603 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 18.2944, 22.9228, 3.4603 by changing the saturation by 10% instead.

■ 18.2944, 22.9228,
3.4603

■ 18.2944, 22.9228,
3.4603

235.5389,
267.3282, 142.0232

■ 11.2625, 14.5365,
1.3342

■ 40.0645, 48.2665,
12.7446

■ 6.3123, 8.4948,
0.0896

■ 55.5334, 65.9928,
20.7398

■ 3.0783, 4.4131,
0.0000

■ 74.5454, 87.6011,
31.5286

■ 1.1953, 1.9072,
0.0000

■ 97.4659, 113.4760,
45.5293


■ 0.1027, 0.5527,
0.0000


■ 124.6601,
144.0017, 63.1606


■ 0.0000, 0.0000,
0.0000


■ 156.4934,


179.5627, 84.8410


 193.3312,
220.5434, 110.9890


 18.2944, 22.9228,
3.4603


 18.2944, 22.9228,
3.4603


 18.2948, 22.9238,
3.4605

 18.4961, 23.0186,
3.8769

 18.7473, 23.1334,
4.5514

 19.0750, 23.2790,
5.6235

 19.4884, 23.4589,
7.1419

 19.9954, 23.6764,
9.1482

■ 20.6030, 23.9342,
11.6794

■ 21.3176, 24.2350,
14.7689

■ 22.1450, 24.5809,
18.4473

■ 23.0906, 24.9743,
22.7429

Harmonies

Analogous

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



25.0409, 22.9228, 3.3395



18.2944, 22.9228, 3.4603



13.5944, 22.9228, 6.9473

Triad

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



18.2944, 22.9228, 3.4603



13.9146, 22.9228, 63.3004



37.2186, 22.9228, 34.9451

Complementary

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



18.2944, 22.9228, 3.4603



4.6881, 1.8870, 24.1633

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.



32.7476, 22.9228, 61.0104



18.2944, 22.9228, 3.4603



18.8287, 22.9228, 82.3194

Square

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



18.2944, 22.9228, 3.4603



11.4516, 22.9228, 37.1197



25.6990, 22.9228, 81.3126



36.9914, 22.9228, 15.7949

Rectangle

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



18.2944, 22.9228, 3.4603



11.8293, 22.9228, 12.6956



25.6990, 22.9228, 81.3126



36.1809, 22.9228, 43.3175

Sweetspot

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



18.2949, 22.9239, 3.4608



37.4863, 42.6791, 25.6475



10.5569, 5.5536, 0.5158



8.3014, 9.5279, 5.2882



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.



18.2949, 22.9239, 3.4608



32.1996, 40.3810, 6.0972



11.0824, 19.2057, 3.1232



5.4029, 5.8304, 5.3930



16.7770, 21.0188, 3.1728



0.1155, 0.1417, 0.0213

Inverse Universe

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



4.6881, 1.8870, 24.1633



8.2158, 3.3013, 42.5874



7.5609, 3.3680, 24.2978



4.7998, 4.9052, 6.2997



4.3023, 1.7321, 22.1532



0.0316, 0.0131, 0.1473

Previews

White Background



This preview shows how the XYZ color 18.2944, 22.9228, 3.4603 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 18.2944, 22.9228, 3.4603 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 18.2944, 22.9228, 3.4603

Background



This preview shows how black text looks on a background with the XYZ color 18.2944, 22.9228, 3.4603.



This preview shows how white text looks on a background with the XYZ color 18.2944, 22.9228,

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

18.2944, 22.9228, 3.4603

Protanopia

20.6457, 22.8921, 3.3305

Deuteranopia

23.2043, 22.8321, 3.9431



Tritanopia

23.1218, 22.8488, 27.2364

Trichromacy



Original Color

18.2944, 22.9228, 3.4603

Protanomaly

19.6804, 22.8010, 3.3638

Deuteranomaly

21.1988, 22.7693, 3.6931

Tritanomaly

20.1661, 22.4413, 12.5013

Monochromacy



Original Color

18.2944, 22.9228, 3.4603

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.2061, 19.9856, 9.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2944, 22.9228, 3.4603 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(130, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 138, 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(130, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 138, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.2944, 22.9228, 3.4603 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(130, 138, 0) }
```


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

```
.border{ border-color:rgb(130, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 138,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2944, 22.9228, 3.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 138, 0) }
```

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

```
.background{ background-color: rgb(130,  
138, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor