

Converting Colors

XYZ(18.8422, 22.1987, 3.2917)

Have a look what the booklet for
XYZ(18.8422, 22.1987, 3.2917)
contains.

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Color

**XYZ(18.8688, 22.1783,
3.2864)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8500
RGB	138, 133, 0
RGB Percent	54%, 52%, 0%
CMY	0.4588, 0.4784, 1.0000
CMYK	0.00, 0.04, 1.00, 0.46
HSL	58°, 100%, 27%
HSV	58°, 100%, 54%
XYZ	18.8688, 22.1783, 3.2864
YIQ	119.3330, 45.6730, -40.3030

Conversions

Conversions Part 2

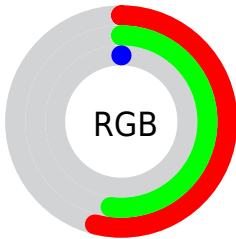
Format	Color
R_{YB}	5, 138, 0
Decimal	9078016
CIE Lab	54.22, -10.97, 58.79
CIE LCh	54, 59.806, 100.574
Yxy	22.1783, 0.4256, 0.5003
Android (android.graphics.Color)	4287268096 (0xFF8A8500)
YUV	119.3330, -58.8312, 16.3710
Hunter-Lab	47.0938, -10.8957, 28.8282

Details

The XYZ color **18.8688, 22.1783, 3.2864** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.6419, 1.9438, 24.1752**, and the grayscale version is **17.8119, 18.7395, 20.4073**.

A 20% lighter version of the original color is **41.1080, 47.1373, 12.4006**, and **6.8265, 8.2255, 1.2279** is the 20% darker color. If you saturate the color by 10%, you get **18.8692, 22.1792, 3.2865**, and if you desaturate by 10%, it is **19.0158, 22.3477, 3.7201**.

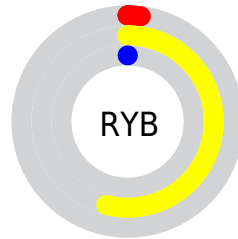
Distribution



Red (54%)

Green (52%)

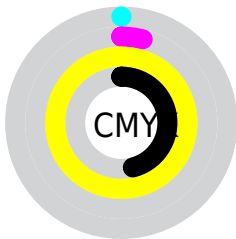
Blue (0%)



Red (2%)

Yellow (54%)

Blue (0%)

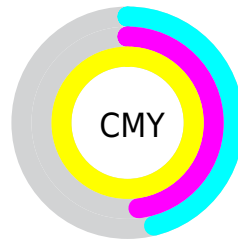


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8688, 22.1783, 3.2864 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 18.8688, 22.1783, 3.2864 by changing the saturation by 10% instead.

■ 18.8688, 22.1783,
3.2864

■ 18.8688, 22.1783,
3.2864

238.6755,
263.4760, 139.9287

■ 11.6790, 13.9880,
1.2427

■ 41.0309, 47.0405,
12.3273

■ 6.5961, 8.1123,
0.0141

■ 56.7338, 64.4812,
20.1616

■ 3.2549, 4.1669,
0.0000

■ 76.0052, 85.7741,
30.7631

■ 1.2899, 1.7674,
0.0000

■ 99.2103, 111.3036,
44.5505


■ 0.1757, 0.4667,
0.0000


■ 126.7145,
141.4542, 61.9422


■ 0.0000, 0.0000,
0.0000


■ 158.8832,


176.6102, 83.3567


 196.0818,
217.1560, 109.2127


 18.8688, 22.1783,
3.2864


 18.8688, 22.1783,
3.2864


 18.8692, 22.1792,
3.2865

 19.0158, 22.3477,
3.7201

 19.2117, 22.5363,
4.4117

 19.4834, 22.7557,
5.5011

 19.8402, 23.0097,
7.0367

 20.2899, 23.3014,
9.0603

■ 20.8396, 23.6337,
11.6088

■ 21.4957, 24.0089,
14.7157

■ 22.2639, 24.4296,
18.4115

■ 23.1497, 24.8978,
22.7245

Harmonies

Analogous

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



25.5152, 22.1783, 3.6794



18.8688, 22.1783, 3.2864



13.9516, 22.1783, 5.8888

Triad

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



18.8688, 22.1783, 3.2864



12.9413, 22.1783, 55.7076



35.1976, 22.1783, 38.1144

Complementary

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



18.8688, 22.1783, 3.2864



4.6419, 1.9438, 24.1752

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.



30.2974, 22.1783, 62.8092



18.8688, 22.1783, 3.2864



17.1907, 22.1783, 76.0668

Square

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



18.8688, 22.1783, 3.2864



11.0272, 22.1783, 31.3292



23.4571, 22.1783, 79.1806



35.9049, 22.1783, 18.1583

Rectangle

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



18.8688, 22.1783, 3.2864



11.9613, 22.1783, 10.4875



23.4571, 22.1783, 79.1806



33.9450, 22.1783, 46.3445

Sweetspot

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



18.8693, 22.1793, 3.2868



37.8091, 42.2748, 25.5524



10.5192, 5.4187, 0.6899



8.3822, 9.4265, 5.2643



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.



18.8693, 22.1793, 3.2868



33.2346, 39.0434, 5.7845



12.0615, 19.7096, 3.1689



5.4158, 5.8144, 5.3892



17.3028, 20.3400, 3.0141



0.1172, 0.1396, 0.0208

Inverse Universe

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



4.6419, 1.9438, 24.1752



8.1563, 3.3748, 42.6047



6.5808, 2.8628, 24.2504



4.7882, 4.9194, 6.3030



4.2582, 1.7866, 22.1661



0.0299, 0.0152, 0.1478

Previews

White Background



This preview shows how the XYZ color 18.8688, 22.1783, 3.2864 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 18.8688, 22.1783, 3.2864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

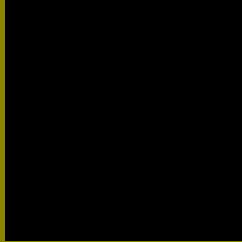
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8688, 22.1783, 3.2864

Background



This preview shows how black text looks on a background with the XYZ color 18.8688, 22.1783, 3.2864.



This preview shows how white text looks on a background with the XYZ color 18.8688, 22.1783,

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

18.8688, 22.1783, 3.2864

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.5103, 22.1054, 3.6964



Tritanopia

23.2953, 22.2198, 25.2513

Trichromacy



Original Color

18.8688, 22.1783, 3.2864

Protanomaly

19.4440, 22.0722, 3.2356

Deuteranomaly

21.1733, 22.1739, 3.5119

Tritanomaly

20.5568, 21.6743, 11.6944

Monochromacy



Original Color

18.8688, 22.1783, 3.2864

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1163, 19.3727, 9.6747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8688, 22.1783, 3.2864 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(138, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 133, 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(138, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8688, 22.1783, 3.2864 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(138, 133, 0) }
```


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

```
.border{ border-color:rgb(138, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 133,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8688, 22.1783, 3.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 133, 0) }
```

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

```
.background{ background-color: rgb(138,  
133, 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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