

Converting Colors

XYZ(19.8290, 22.2320, 3.2461)

Have a look what the booklet for
XYZ(19.8290, 22.2320, 3.2461)
contains.

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Color

**XYZ(19.7934, 22.2523,
3.2519)**

Conversions

Conversions Part 1

Format	Color
Hex	918300
RGB	145, 131, 0
RGB Percent	57%, 51%, 0%
CMY	0.4314, 0.4863, 1.0000
CMYK	0.00, 0.10, 1.00, 0.43
HSL	54°, 100%, 28%
HSV	54°, 100%, 57%
XYZ	19.7934, 22.2523, 3.2519
YIQ	120.2520, 50.3950, -37.7730

Conversions

Conversions Part 2

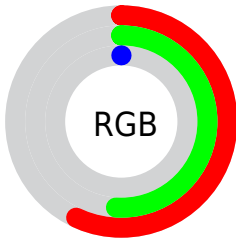
Format	Color
R_{YB}	15, 145, 0
Decimal	9536256
CIE Lab	54.29, -6.62, 59.14
CIE LCh	54, 59.514, 96.389
Yxy	22.2523, 0.4370, 0.4912
Android (android.graphics.Color)	4287726336 (0xFF918300)
YUV	120.2520, -59.2842, 21.7040
Hunter-Lab	47.1723, -7.6534, 28.9334

Details

The XYZ color **19.7934, 22.2523, 3.2519** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.2681, 2.3586, 26.9656**, and the grayscale version is **18.1070, 19.0500, 20.7454**.

A 20% lighter version of the original color is **42.5107, 47.2428, 12.1884**, and **7.3317, 8.2587, 1.2077** is the 20% darker color. If you saturate the color by 10%, you get **19.7937, 22.2531, 3.2520**, and if you desaturate by 10%, it is **20.0659, 22.6650, 3.7510**.

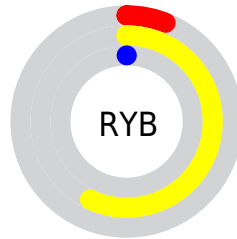
Distribution



Red (57%)

Green (51%)

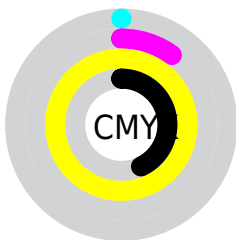
Blue (0%)



Red (6%)

Yellow (57%)

Blue (0%)

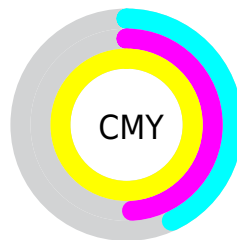


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7934, 22.2523, 3.2519 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 19.7934, 22.2523, 3.2519 by changing the saturation by 10% instead.

■ 19.7934, 22.2523,
3.2519

■ 19.7934, 22.2523,
3.2519

243.6494,
263.8610, 139.5070

■ 12.3523, 14.0424,
1.2247

■ 42.5771, 47.1626,
12.2439

■ 7.0580, 8.1502,
0.0000

■ 58.6505, 64.6319,
20.0458

■ 3.5451, 4.1912,
0.0000

■ 78.3320, 85.9563,
30.6096

■ 1.4481, 1.7811,
0.0000

■ 101.9871,
111.5204, 44.3539


■ 0.2901, 0.4753,
0.0000


■ 129.9810,
141.7086, 61.6973


■ 0.0000, 0.0000,
0.0000


■ 162.6791,


176.9051, 83.0582


 200.4468,
217.4945, 108.8553


 19.7934, 22.2523,
3.2519


 19.7934, 22.2523,
3.2519


 19.7937, 22.2531,
3.2520

 20.0659, 22.6650,
3.7510

 20.3968, 23.1043,
4.5475

 20.8148, 23.5825,
5.7896

 21.3303, 24.1039,
7.5325

 21.9522, 24.6719,
9.8235

■ 22.6887, 25.2899,
12.7044

■ 23.5467, 25.9607,
16.2130

■ 24.5330, 26.6869,
20.3839

■ 25.6535, 27.4711,
25.2491

Harmonies

Analogous

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



26.5449, 22.2523, 4.0323



19.7934, 22.2523, 3.2519



14.5844, 22.2523, 5.3574

Triad

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



19.7934, 22.2523, 3.2519



12.6201, 22.2523, 52.1723



34.7484, 22.2523, 41.5211

Complementary

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



19.7934, 22.2523, 3.2519



5.2681, 2.3586, 26.9656

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.



29.4390, 22.2523, 65.8172



19.7934, 22.2523, 3.2519



16.5408, 22.2523, 73.8565

Square

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



19.7934, 22.2523, 3.2519



11.0249, 22.2523, 28.4217



22.5675, 22.2523, 79.8264



36.1107, 22.2523, 20.4703

Rectangle

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



19.7934, 22.2523, 3.2519



12.3761, 22.2523, 9.3550



22.5675, 22.2523, 79.8264



33.3200, 22.2523, 49.8443

Sweetspot

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



19.7939, 22.2534, 3.2523



42.0650, 46.4130, 28.6036



11.7599, 6.0530, 0.9823



9.2250, 10.2229, 5.8154



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.



19.7939, 22.2534, 3.2523



35.3776, 39.7119, 5.8006



14.0563, 22.2772, 3.5594



5.7957, 6.1977, 5.7802



16.9881, 19.1079, 2.7928



0.1708, 0.1994, 0.0295

Inverse Universe

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



5.2681, 2.3586, 26.9656



9.3726, 4.1007, 48.2711



6.8562, 2.9442, 26.9950



5.1689, 5.3336, 6.7858



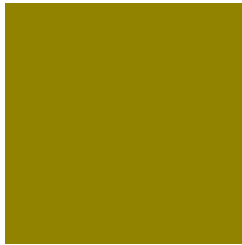
4.5283, 2.0425, 23.1327



0.0499, 0.0328, 0.2234

Previews

White Background



This preview shows how the XYZ color 19.7934, 22.2523, 3.2519 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

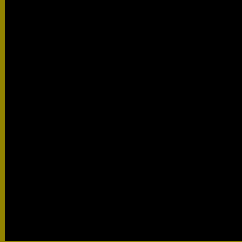
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7934, 22.2523, 3.2519

Background



This preview shows how black text looks on a background with the XYZ color 19.7934, 22.2523, 3.2519.



This preview shows how white text looks on a background with the XYZ color 19.7934, 22.2523,

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

19.7934, 22.2523, 3.2519

Protanopia

20.0153, 22.1683, 3.2240

Deuteranopia

22.4940, 22.0989, 3.6103



Tritanopia

24.1931, 22.3301, 24.5077

Trichromacy



Original Color

19.7934, 22.2523, 3.2519

Protanomaly

19.8367, 22.0763, 3.2156

Deuteranomaly

21.4259, 22.1140, 3.4558

Tritanomaly

21.4726, 21.7758, 11.2550

Monochromacy



Original Color

19.7934, 22.2523, 3.2519

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.5654, 19.6042, 9.6957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7934, 22.2523, 3.2519 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(145, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 131, 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(145, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 131, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.7934, 22.2523, 3.2519 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(145, 131, 0) }
```


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

```
.border{ border-color:rgb(145, 131, 0) }
```

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

Here you see how a box with a 4 pixel rgb(145, 131, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 131,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7934, 22.2523, 3.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 131, 0) }
```

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

```
.background{ background-color: rgb(145,  
131, 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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