

Converting Colors

XYZ(21.7490, 23.2744, 3.3461)

Have a look what the booklet for
XYZ(21.7490, 23.2744, 3.3461)
contains.

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Color

**XYZ(21.8266, 23.3005,
3.3471)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8300
RGB	156, 131, 0
RGB Percent	61%, 51%, 0%
CMY	0.3882, 0.4863, 1.0000
CMYK	0.00, 0.16, 1.00, 0.39
HSL	50°, 100%, 31%
HSV	50°, 100%, 61%
XYZ	21.8266, 23.3005, 3.3471
YIQ	123.5410, 56.9510, -35.4410

Conversions

Conversions Part 2

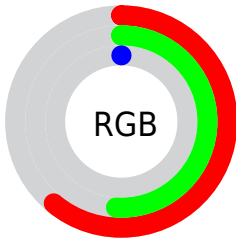
Format	Color
R_{YB}	30, 156, 0
Decimal	10257152
CIE _{Lab}	55.38, -1.49, 60.42
CIE _{LCh}	55, 60.436, 91.411
Yxy	23.3005, 0.4503, 0.4807
Android (android.graphics.Color)	4288447232 (0xFF9C8300)
YUV	123.5410, -60.9057, 28.4665
Hunter-Lab	48.2706, -3.7609, 29.6782

Details

The XYZ color **21.8266, 23.3005, 3.3471** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.3486, 3.0959, 31.7152**, and the grayscale version is **19.1891, 20.1884, 21.9852**.

A 20% lighter version of the original color is **45.9154, 48.9945, 12.5057**, and **8.2728, 8.7439, 1.2517** is the 20% darker color. If you saturate the color by 10%, you get **21.8268, 23.3011, 3.3472**, and if you desaturate by 10%, it is **22.2575, 24.0175, 3.9378**.

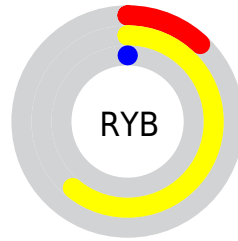
Distribution



Red (61%)

Green (51%)

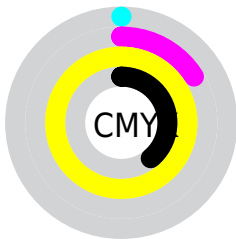
Blue (0%)



Red (12%)

Yellow (61%)

Blue (0%)

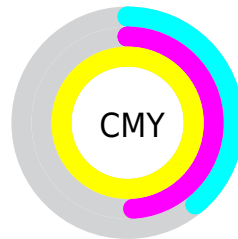


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8266, 23.3005, 3.3471 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 21.8266, 23.3005, 3.3471 by changing the saturation by 10% instead.


 21.8266, 23.3005,
3.3471


 21.8266, 23.3005,
3.3471


254.2888,
269.2647, 140.6656


 13.8454, 14.8156,
1.2745


 45.9402, 48.8863,
12.4736

 8.0942, 8.6900,
0.0407


 62.8034, 66.7559,
20.3645

 4.2076, 4.5396,
0.0000

 83.3579, 88.5225,
31.0319

 1.8202, 1.9797,
0.0000

 107.9692,
114.5706, 44.8944


 0.5298, 0.5957,
0.0000


 137.0026,
145.2844, 62.3704


 0.0000, 0.0000,
0.0000


 170.8234,


181.0484, 83.8786


 209.7970,
222.2471, 109.8375


 21.8266, 23.3005,
3.3471


 21.8266, 23.3005,
3.3471

 21.8268, 23.3011,
3.3472

 22.2575, 24.0175,
3.9378

 22.7650, 24.7773,
4.8936

 23.3803, 25.5933,
6.3771

 24.1163, 26.4708,
8.4550

 24.9838, 27.4143,
11.1844

■ 25.9924, 28.4275,
14.6154

■ 27.1507, 29.5142,
18.7932

■ 28.4666, 30.6775,
23.7595

■ 29.9476, 31.9204,
29.5527

Harmonies

Analogous

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



28.9969, 23.3005, 4.6688



21.8266, 23.3005, 3.3471



16.0173, 23.3005, 4.9729

Triad

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



21.8266, 23.3005, 3.3471



12.7712, 23.3005, 50.2606



35.6961, 23.3005, 47.7877

Complementary

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



21.8266, 23.3005, 3.3471



6.3486, 3.0959, 31.7152

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.



29.6682, 23.3005, 72.5056



21.8266, 23.3005, 3.3471



16.4700, 23.3005, 74.3750

Square

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



21.8266, 23.3005, 3.3471



11.4940, 23.3005, 26.3019



22.4694, 23.3005, 84.0801



37.9228, 23.3005, 24.4610

Rectangle

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



21.8266, 23.3005, 3.3471



13.4316, 23.3005, 8.4693



22.4694, 23.3005, 84.0801



33.9937, 23.3005, 56.5524

Sweetspot

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



21.8271, 23.3016, 3.3476



49.1795, 53.4842, 33.6387



13.8969, 7.1427, 1.6240



10.6352, 11.5966, 6.7215



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.8271, 23.3016, 3.3476



39.5237, 42.0811, 6.0393



17.5977, 26.7200, 4.2303



7.0796, 7.5392, 7.0677



17.9997, 19.2351, 2.7641



0.3439, 0.3881, 0.0568

Inverse Universe

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



6.3486, 3.0959, 31.7152



11.4343, 5.4301, 57.5722



7.4173, 3.1308, 31.6656



6.3664, 6.5985, 8.3448



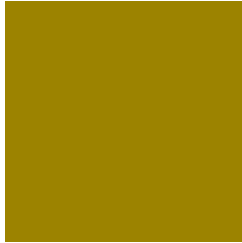
5.2468, 2.5852, 26.1297



0.1150, 0.0886, 0.4743

Previews

White Background



This preview shows how the XYZ color 21.8266, 23.3005, 3.3471 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 21.8266, 23.3005, 3.3471

Background



This preview shows how black text looks on a background with the XYZ color 21.8266, 23.3005, 3.3471.

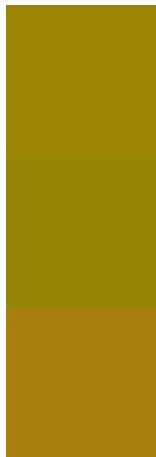


This preview shows how white text looks on a background with the XYZ color 21.8266, 23.3005,

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

21.8266, 23.3005, 3.3471

Protanopia

20.9926, 23.2700, 3.5287

Deuteranopia

23.6886, 23.2782, 3.6601



Tritanopia

26.1605, 23.3443, 24.5998

Trichromacy



Original Color

21.8266, 23.3005, 3.3471

Protanomaly

21.2166, 23.1845, 3.4430

Deuteranomaly

23.0783, 23.3506, 3.5492

Tritanomaly

23.3922, 22.7653, 11.3449

Monochromacy



Original Color

21.8266, 23.3005, 3.3471

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1540, 20.9775, 10.4367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8266, 23.3005, 3.3471 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(156, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 131, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8266, 23.3005, 3.3471 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(156, 131, 0) }
```


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

```
.border{ border-color:rgb(156, 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(156, 131, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 131,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8266, 23.3005, 3.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 131, 0) }
```

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

```
.background{ background-color: rgb(156,  
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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