

Converting Colors

XYZ(21.3249, 23.6277, 1.2260)

Have a look what the booklet for
XYZ(21.3249, 23.6277, 1.2260)
contains.

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Color

**XYZ(21.8515, 23.9202,
3.4654)**

Conversions

Conversions Part 1

Format	Color
Hex	9A8600
RGB	154, 134, 0
RGB Percent	60%, 53%, 0%
CMY	0.3961, 0.4745, 1.0000
CMYK	0.00, 0.13, 1.00, 0.40
HSL	52°, 100%, 30%
HSV	52°, 100%, 60%
XYZ	21.8515, 23.9202, 3.4654
YIQ	124.7040, 54.9340, -37.4340

Conversions

Conversions Part 2

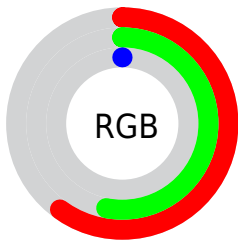
Format	Color
R_{YB}	23, 154, 0
Decimal	10126848
CIE _{Lab}	56.01, -4.08, 60.77
CIE _{LCh}	56, 60.907, 93.837
Yxy	23.9202, 0.4438, 0.4858
Android (android.graphics.Color)	4288316928 (0xFF9A8600)
YUV	124.7040, -61.4791, 25.6926
Hunter-Lab	48.9083, -5.8383, 30.0348

Details

The XYZ color **21.8515, 23.9202, 3.4654** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.0831, 2.8337, 30.7979**, and the grayscale version is **19.5815, 20.6013, 22.4348**.

A 20% lighter version of the original color is **45.9651, 49.9551, 12.6885**, and **8.3941, 9.1496, 1.3236** is the 20% darker color. If you saturate the color by 10%, you get **21.8518, 23.9209, 3.4655**, and if you desaturate by 10%, it is **22.2202, 24.5150, 4.0282**.

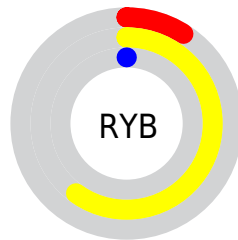
Distribution



Red (60%)

Green (53%)

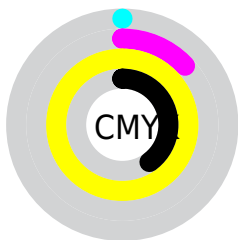
Blue (0%)



Red (9%)

Yellow (60%)

Blue (0%)

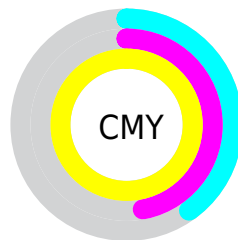


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8515, 23.9202, 3.4654 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 21.8515, 23.9202, 3.4654 by changing the saturation by 10% instead.

■ 21.8515, 23.9202,
3.4654

■ 21.8515, 23.9202,
3.4654

254.4168,
272.4168, 142.0838

■ 13.8638, 15.2744,
1.3369

■ 45.9811, 49.8999,
12.7567

■ 8.1071, 9.0122,
0.0917

■ 62.8538, 68.0027,
20.7567

■ 4.2159, 4.7492,
0.0000

■ 83.4188, 90.0266,
31.5508

■ 1.8250, 2.1008,
0.0000

■ 108.0415,
116.3560, 45.5577

■ 0.5327, 0.6651,
0.0000

■ 137.0873,
147.3754, 63.1959

■ 0.0000, 0.0000,
0.0000

■ 170.9216,

183.4690, 84.8840

209.9096,
225.0213, 111.0404

21.8515, 23.9202,
3.4654

21.8515, 23.9202,
3.4654

21.8518, 23.9209,
3.4655

22.2202, 24.5150,
4.0282

22.6601, 25.1459,
4.9426

23.2022, 25.8260,
6.3686

23.8586, 26.5603,
8.3708

24.6399, 27.3532,
11.0042

■ 25.5553, 28.2083,
14.3174

■ 26.6132, 29.1290,
18.3543

■ 27.8212, 30.1184,
23.1552

■ 29.1865, 31.1795,
28.7571

Harmonies

Analogous

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



29.1623, 23.9202, 4.5661



21.8515, 23.9202, 3.4654



16.0673, 23.9202, 5.4176

Triad

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



21.8515, 23.9202, 3.4654



13.3317, 23.9202, 53.7510



36.9885, 23.9202, 46.8662

Complementary

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



21.8515, 23.9202, 3.4654



6.0831, 2.8337, 30.7979

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.



31.0323, 23.9202, 72.6210



21.8515, 23.9202, 3.4654



17.3298, 23.9202, 77.8218

Square

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



21.8515, 23.9202, 3.4654



11.8251, 23.9202, 28.6952



23.6429, 23.9202, 86.0661



38.8751, 23.9202, 23.5633

Rectangle

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



21.8515, 23.9202, 3.4654



13.5512, 23.9202, 9.3421



23.6429, 23.9202, 86.0661



35.3435, 23.9202, 55.8438

Sweetspot

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



21.8520, 23.9214, 3.4659



48.2209, 52.8104, 32.8571



13.4576, 6.9227, 1.3144



10.7379, 11.8020, 6.7557



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.



21.8520, 23.9214, 3.4659



39.5955, 43.2538, 6.2619



16.5427, 25.6820, 4.0855



6.6405, 7.0860, 6.6236



17.8217, 19.5258, 2.8296



0.2831, 0.3252, 0.0478

Inverse Universe

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



6.0831, 2.8337, 30.7979



10.9685, 4.9841, 55.9202



7.4903, 3.1878, 30.7921



5.9459, 6.1493, 7.8025



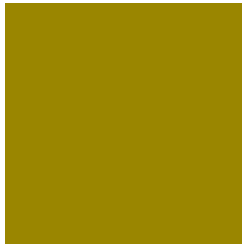
4.9718, 2.3403, 25.0974



0.0890, 0.0644, 0.3801

Previews

White Background



This preview shows how the XYZ color 21.8515, 23.9202, 3.4654 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 21.8515, 23.9202, 3.4654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

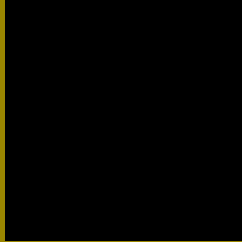
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8515, 23.9202, 3.4654

Background



This preview shows how black text looks on a background with the XYZ color 21.8515, 23.9202, 3.4654.



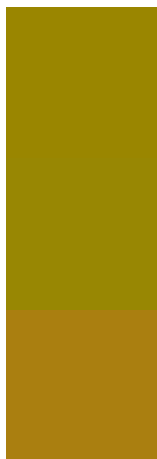
This preview shows how white text looks on a background with the XYZ color 21.8515, 23.9202,

3.4654.

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

21.8515, 23.9202, 3.4654

Protanopia

21.6293, 24.0099, 3.5805

Deuteranopia

24.2605, 23.7622, 3.7981



Tritanopia

26.5370, 24.0698, 25.8016

Trichromacy



Original Color

21.8515, 23.9202, 3.4654

Protanomaly

21.8118, 24.1046, 3.5605

Deuteranomaly

23.3473, 23.8797, 3.6659

Tritanomaly

23.6569, 23.4651, 11.8767

Monochromacy



Original Color

21.8515, 23.9202, 3.4654

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3205, 21.2518, 10.6731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8515, 23.9202, 3.4654 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(154, 134, 0)` looks like.

```
.text, #text, p{  
    color:rgb(154, 134, 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(154, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 134, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8515, 23.9202, 3.4654 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(154, 134, 0) }
```


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

```
.border{ border-color:rgb(154, 134, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 134, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(154, 134,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8515, 23.9202, 3.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 134, 0) }
```

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

```
.background{ background-color: rgb(154,  
134, 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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