

Converting Colors

XYZ(21.6014, 24.2266, 0.0000)

Have a look what the booklet for
XYZ(21.6014, 24.2266, 0.0000)
contains.

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Color

**XYZ(22.3217, 24.5769,
3.5673)**

Conversions

Conversions Part 1

Format	Color
Hex	9B8800
RGB	155, 136, 0
RGB Percent	61%, 53%, 0%
CMY	0.3922, 0.4666, 1.0000
CMYK	0.00, 0.12, 1.00, 0.39
HSL	53°, 100%, 30%
HSV	53°, 100%, 61%
XYZ	22.3217, 24.5769, 3.5673
YIQ	126.1770, 54.9800, -38.2680

Conversions

Conversions Part 2

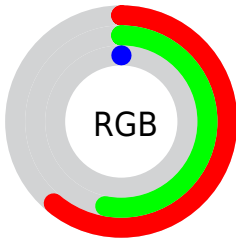
Format	Color
R _Y B	22, 155, 0
Decimal	10192896
CIE Lab	56.66, -4.71, 61.28
CIE LCh	57, 61.461, 94.394
Yxy	24.5769, 0.4423, 0.4870
Android (android.graphics.Color)	4288382976 (0xFF9B8800)
YUV	126.1770, -62.2053, 25.2778
Hunter-Lab	49.5751, -6.3849, 30.4362

Details

The XYZ color **22.3217, 24.5769, 3.5673** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.1494, 2.8325, 31.2326**, and the grayscale version is **20.0845, 21.1305, 23.0111**.

A 20% lighter version of the original color is **46.7123, 50.9710, 13.0066**, and **8.6637, 9.5257, 1.3820** is the 20% darker color. If you saturate the color by 10%, you get **22.3221, 24.5778, 3.5675**, and if you desaturate by 10%, it is **22.6820, 25.1539, 4.1309**.

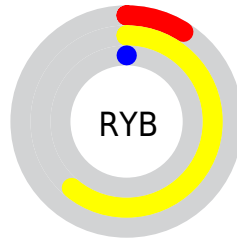
Distribution



Red (61%)

Green (53%)

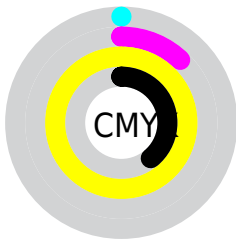
Blue (0%)



Red (9%)

Yellow (61%)

Blue (0%)

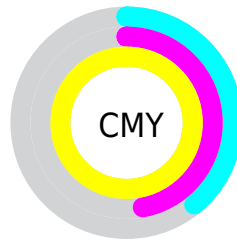


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3217, 24.5769, 3.5673 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 22.3217, 24.5769, 3.5673 by changing the saturation by 10% instead.

■ 22.3217, 24.5769,
3.5673

■ 22.3217, 24.5769,
3.5673

256.8226,
275.7243, 143.2871

■ 14.2114, 15.7621,
1.3911

■ 46.7520, 50.9700,
12.9989

■ 8.3505, 9.3560,
0.1348

■ 63.8028, 69.3171,
21.0913

■ 4.3737, 4.9741,
0.0000

■ 84.5644, 91.6104,
31.9929

■ 1.9157, 2.2321,
0.0000

■ 109.4022,
118.2344, 46.1222


■ 0.5859, 0.7374,
0.0000


■ 138.6815,
149.5733, 63.8977


■ 0.0000, 0.0000,
0.0000


■ 172.7678,


186.0117, 85.7380


 212.0264,
227.9339, 112.0616

 22.3217, 24.5769,
3.5673


 22.3217, 24.5769,
3.5673


 22.3221, 24.5778,
3.5675

 22.6820, 25.1539,
4.1309

 23.1143, 25.7663,
5.0521

 23.6495, 26.4276,
6.4922

 24.3003, 27.1428,
8.5170

 25.0773, 27.9162,
11.1823

■ 25.9899, 28.7516,
14.5377

■ 27.0465, 29.6525,
18.6276

■ 28.2550, 30.6219,
23.4929

■ 29.6226, 31.6629,
29.1715

Harmonies

Analogous

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



29.8214, 24.5769, 4.6388



22.3217, 24.5769, 3.5673



16.4205, 24.5769, 5.6417

Triad

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



22.3217, 24.5769, 3.5673



13.7500, 24.5769, 55.7437



38.0855, 24.5769, 47.6458

Complementary

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



22.3217, 24.5769, 3.5673



6.1494, 2.8325, 31.2326

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.



32.0211, 24.5769, 74.1925



22.3217, 24.5769, 3.5673



17.9060, 24.5769, 80.3087

Square

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



22.3217, 24.5769, 3.5673



12.1556, 24.5769, 29.8925



24.4292, 24.5769, 88.3715



39.9295, 24.5769, 23.8544

Rectangle

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



22.3217, 24.5769, 3.5673



13.8675, 24.5769, 9.7556



24.4292, 24.5769, 88.3715



36.4197, 24.5769, 56.8640

Sweetspot

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



22.3223, 24.5781, 3.5678



48.3188, 53.0064, 32.8897



13.6499, 7.0216, 1.3296



10.7628, 11.8517, 6.7640



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.



22.3223, 24.5781, 3.5678



39.8836, 43.8301, 6.3580



16.7766, 26.0485, 4.1439



6.6443, 7.0937, 6.6249



17.9480, 19.7784, 2.8717



0.2842, 0.3273, 0.0482

Inverse Universe

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



6.1494, 2.8325, 31.2326



10.9367, 4.9203, 55.9096



7.5946, 3.2318, 31.2335



5.9425, 6.1423, 7.8014



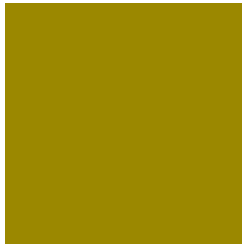
4.9555, 2.3076, 25.0919



0.0880, 0.0623, 0.3798

Previews

White Background



This preview shows how the XYZ color 22.3217, 24.5769, 3.5673 looks on a white background.

Color Contrast Check

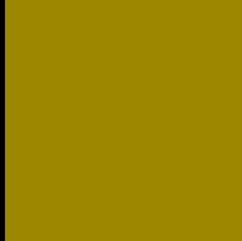
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3217, 24.5769, 3.5673 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 22.3217, 24.5769, 3.5673

Background



This preview shows how black text looks on a background with the XYZ color 22.3217, 24.5769, 3.5673.

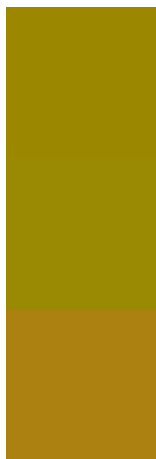


This preview shows how white text looks on a background with the XYZ color 22.3217, 24.5769,

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

22.3217, 24.5769, 3.5673

Protanopia

22.2885, 24.7679, 3.6921

Deuteranopia

24.9647, 24.5116, 3.9458



Tritanopia

27.0090, 24.4858, 26.5953

Trichromacy



Original Color

22.3217, 24.5769, 3.5673

Protanomaly

22.2830, 24.7657, 3.6633

Deuteranomaly

24.0376, 24.6337, 3.8045

Tritanomaly

24.2001, 24.1270, 12.3983

Monochromacy



Original Color

22.3217, 24.5769, 3.5673

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7471, 21.8628, 10.7686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3217, 24.5769, 3.5673 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(155, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 136, 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(155, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.3217, 24.5769, 3.5673 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(155, 136, 0) }
```


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

```
.border{ border-color:rgb(155, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 136,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3217, 24.5769, 3.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 136, 0) }
```

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

```
.background{ background-color: rgb(155,  
136, 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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