

Converting Colors

XYZ(21.6886, 23.8757, 3.4654)

Have a look what the booklet for
XYZ(21.6886, 23.8757, 3.4654)
contains.

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Color

**XYZ(21.6620, 23.8225,
3.4565)**

Conversions

Conversions Part 1

Format	Color
Hex	998600
RGB	153, 134, 0
RGB Percent	60%, 53%, 0%
CMY	0.4000, 0.4745, 1.0000
CMYK	0.00, 0.12, 1.00, 0.40
HSL	53°, 100%, 30%
HSV	53°, 100%, 60%
XYZ	21.6620, 23.8225, 3.4565
YIQ	124.4050, 54.3380, -37.6460

Conversions

Conversions Part 2

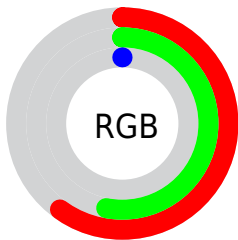
Format	Color
R _Y B	22, 153, 0
Decimal	10061312
CIE Lab	55.91, -4.54, 60.66
CIE LCh	56, 60.825, 94.281
Yxy	23.8225, 0.4426, 0.4868
Android (android.graphics.Color)	4288251392 (0xFF998600)
YUV	124.4050, -61.3317, 25.0778
Hunter-Lab	48.8083, -6.1930, 29.9670

Details

The XYZ color **21.6620, 23.8225, 3.4565** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.9828, 2.7659, 30.3554**, and the grayscale version is **19.4804, 20.4949, 22.3190**.

A 20% lighter version of the original color is **45.6777, 49.8069, 12.6751**, and **8.2855, 9.0937, 1.3186** is the 20% darker color. If you saturate the color by 10%, you get **21.6623, 23.8233, 3.4566**, and if you desaturate by 10%, it is **22.0159, 24.3889, 4.0108**.

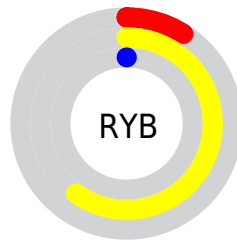
Distribution



Red (60%)

Green (53%)

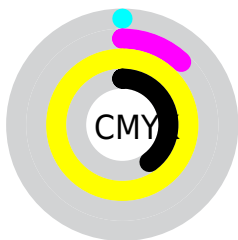
Blue (0%)



Red (9%)

Yellow (60%)

Blue (0%)

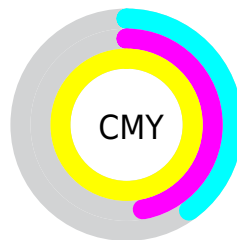


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6620, 23.8225, 3.4565 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 21.6620, 23.8225, 3.4565 by changing the saturation by 10% instead.

■ 21.6620, 23.8225,
3.4565

■ 21.6620, 23.8225,
3.4565

253.4417,
271.9219, 141.9779

■ 13.7240, 15.2020,
1.3322

■ 45.6697, 49.7404,
12.7355

■ 8.0093, 8.9613,
0.0880

■ 62.4702, 67.8066,
20.7273

■ 4.1528, 4.7159,
0.0000

■ 82.9554, 89.7901,
31.5120

■ 1.7889, 2.0816,
0.0000

■ 107.4909,
116.0754, 45.5081


■ 0.5110, 0.6542,
0.0000


■ 136.4419,
147.0468, 63.1342


■ 0.0000, 0.0000,
0.0000


■ 170.1738,


183.0888, 84.8089


 209.0519,
224.5857, 110.9506


 21.6620, 23.8225,
3.4565


 21.6620, 23.8225,
3.4565


 21.6623, 23.8233,
3.4566

 22.0159, 24.3889,
4.0108

 22.4393, 24.9898,
4.9104

 22.9629, 25.6384,
6.3139

 23.5988, 26.3395,
8.2848

 24.3572, 27.0973,
10.8773

■ 25.2472, 27.9156,
14.1393

■ 26.2772, 28.7976,
18.1137

■ 27.4545, 29.7463,
22.8404

■ 28.7862, 30.7647,
28.3557

Harmonies

Analogous

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



28.9338, 23.8225, 4.5068



21.6620, 23.8225, 3.4565



15.9337, 23.8225, 5.4537

Triad

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



21.6620, 23.8225, 3.4565



13.3177, 23.8225, 53.9306



36.9003, 23.8225, 46.2827

Complementary

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



21.6620, 23.8225, 3.4565



5.9828, 2.7659, 30.3554

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.



31.0112, 23.8225, 71.9978



21.6620, 23.8225, 3.4565



17.3366, 23.8225, 77.7744

Square

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



21.6620, 23.8225, 3.4565



11.7814, 23.8225, 28.8941



23.6523, 23.8225, 85.6699



38.7063, 23.8225, 23.1919

Rectangle

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



21.6620, 23.8225, 3.4565



13.4528, 23.8225, 9.4251



23.6523, 23.8225, 85.6699



35.2809, 23.8225, 55.2190

Sweetspot

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



21.6625, 23.8236, 3.4570



46.9418, 51.4755, 31.9760



13.2668, 6.8245, 1.2991



10.2030, 11.2295, 6.4279



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.6625, 23.8236, 3.4570



38.7022, 42.4795, 6.1595



16.3107, 25.3185, 4.0276



6.6435, 7.0920, 6.6246



17.9201, 19.7225, 2.8623



0.2839, 0.3269, 0.0481

Inverse Universe

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



5.9828, 2.7659, 30.3554



10.6384, 4.8012, 54.3380



7.3867, 3.1439, 30.3544



5.9432, 6.1438, 7.8016



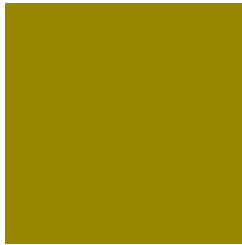
4.9590, 2.3147, 25.0931



0.0882, 0.0628, 0.3798

Previews

White Background



This preview shows how the XYZ color 21.6620, 23.8225, 3.4565 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 21.6620, 23.8225, 3.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

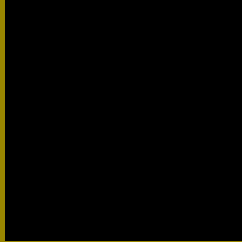
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6620, 23.8225, 3.4565

Background



This preview shows how black text looks on a background with the XYZ color 21.6620, 23.8225, 3.4565.



This preview shows how white text looks on a background with the XYZ color 21.6620, 23.8225,

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

21.6620, 23.8225, 3.4565

Protanopia

21.4429, 23.9138, 3.5718

Deuteranopia

24.2605, 23.7622, 3.7981



Tritanopia

26.3346, 23.9655, 25.7921

Trichromacy



Original Color

21.6620, 23.8225, 3.4565

Protanomaly

21.6238, 24.0077, 3.5517

Deuteranomaly

23.3473, 23.8797, 3.6659

Tritanomaly

23.4594, 23.3633, 11.8675

Monochromacy



Original Color

21.6620, 23.8225, 3.4565

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.1221, 21.1538, 10.4724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6620, 23.8225, 3.4565 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(153, 134, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 134, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.6620, 23.8225, 3.4565 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(153, 134, 0) }
```


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

```
.border{ border-color:rgb(153, 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(153, 134, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 134,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6620, 23.8225, 3.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 134, 0) }
```

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

```
.background{ background-color: rgb(153,  
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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