

Converting Colors

XYZ(21.7036, 24.1074, 3.7621)

Have a look what the booklet for
XYZ(21.7036, 24.1074, 3.7621)
contains.

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Color

**XYZ(21.6622, 24.0231,
3.7536)**

Conversions

Conversions Part 1

Format	Color
Hex	988709
RGB	152, 135, 9
RGB Percent	60%, 53%, 4%
CMY	0.4039, 0.4706, 0.9647
CMYK	0.00, 0.11, 0.94, 0.40
HSL	53°, 89%, 32%
HSV	53°, 94%, 60%
XYZ	21.6622, 24.0231, 3.7536
YIQ	125.7190, 50.5780, -35.5820

Conversions

Conversions Part 2

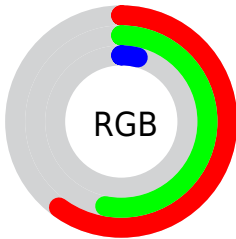
Format	Color
R_YB	28, 152, 9
Decimal	9996041
CIE Lab	56.11, -5.41, 59.24
CIE LCh	56, 59.484, 95.216
Yxy	24.0231, 0.4382, 0.4859
Android (android.graphics.Color)	4288186121 (0xFF988709)
YUV	125.7190, -57.5425, 23.0484
Hunter-Lab	49.0134, -6.8826, 29.7687

Details

The XYZ color **21.6622, 24.0231, 3.7536** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.1497, 3.0641, 29.9729**, and the grayscale version is **19.9137, 20.9508, 22.8154**.

A 20% lighter version of the original color is **45.7313, 50.1360, 13.3978**, and **8.2576, 9.1970, 1.3400** is the 20% darker color. If you saturate the color by 10%, you get **21.4647, 23.7072, 3.4446**, and if you desaturate by 10%, it is **22.0347, 24.5798, 4.4586**.

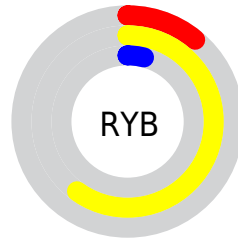
Distribution



Red (60%)

Green (53%)

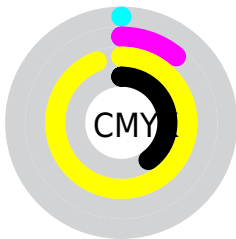
Blue (4%)



Red (11%)

Yellow (60%)

Blue (4%)

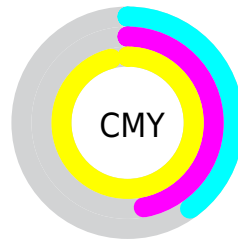


Cyan (0%)

Magenta (11%)

Yellow (94%)

Black (40%)



Cyan (40%)

Magenta (47%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6622, 24.0231, 3.7536 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 21.6622, 24.0231, 3.7536 by changing the saturation by 10% instead.

■ 21.6622, 24.0231,
3.7536

■ 21.6622, 24.0231,
3.7536

253.4427,
272.9372, 145.4460

■ 13.7241, 15.3508,
1.4912

■ 45.6701, 50.0679,
13.4374

■ 8.0094, 9.0659,
0.2113

■ 62.4706, 68.2091,
21.6958

■ 4.1528, 4.7842,
0.0000

■ 82.9559, 90.2755,
32.7900

■ 1.7890, 2.1212,
0.0000

■ 107.4914,
116.6513, 47.1384


■ 0.5110, 0.6765,
0.0000


■ 136.4425,
147.7210, 65.1597


■ 0.0000, 0.0000,
0.0000

■ 170.1746,


183.8689, 87.2724


 209.0528,
225.4796, 113.8949


 21.6622, 24.0231,
3.7536


 21.6622, 24.0231,
3.7536

 21.4647, 23.7072,
3.4446

 22.0347, 24.5798,
4.4586

 22.4992, 25.1792,
5.6294

 23.0692, 25.8278,
7.3348

 23.7556, 26.5299,
9.6314

 24.5677, 27.2892,
12.5685

■ 25.5140, 28.1092,
16.1903

■ 26.6020, 28.9929,
20.5371

■ 27.8389, 29.9432,
25.6460

■ 29.2313, 30.9629,
31.5516

Harmonies

Analogous

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



28.7813, 24.0231, 4.7336



21.6622, 24.0231, 3.7536



16.0774, 24.0231, 5.9116

Triad

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



21.6622, 24.0231, 3.7536



13.7105, 24.0231, 54.3289



36.9225, 24.0231, 45.2632

Complementary

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



21.6622, 24.0231, 3.7536



6.1497, 3.0641, 29.9729

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.



31.2576, 24.0231, 70.3811



21.6622, 24.0231, 3.7536



17.7669, 24.0231, 77.1919

Square

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



21.6622, 24.0231, 3.7536



12.1084, 24.0231, 29.7204



24.0457, 24.0231, 84.1881



38.5342, 24.0231, 22.8906

Rectangle

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



21.6622, 24.0231, 3.7536



13.6703, 24.0231, 10.0529



24.0457, 24.0231, 84.1881



35.3807, 24.0231, 53.9532

Sweetspot

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



21.6627, 24.0243, 3.7541



46.0651, 50.4640, 32.6573



13.2571, 6.9551, 1.7470



10.2987, 11.3295, 6.7423



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.



21.6627, 24.0243, 3.7541



37.8021, 41.6748, 6.0517



16.4855, 25.1609, 4.2463



6.6462, 7.0975, 6.6255



18.0126, 19.9076, 2.8932



0.2847, 0.3284, 0.0484

Inverse Universe

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



6.1497, 3.0641, 29.9729



10.3168, 4.6278, 52.7832



7.7168, 3.4686, 29.9684



5.9407, 6.1388, 7.8008



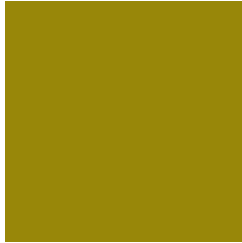
4.9474, 2.2916, 25.0893



0.0875, 0.0613, 0.3796

Previews

White Background



This preview shows how the XYZ color 21.6622, 24.0231, 3.7536 looks on a white background.

Color Contrast Check

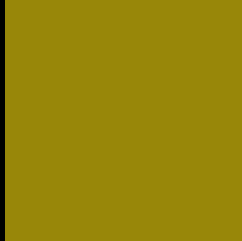
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6622, 24.0231, 3.7536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

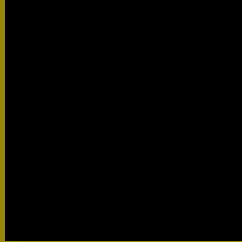
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6622, 24.0231, 3.7536

Background



This preview shows how black text looks on a background with the XYZ color 21.6622, 24.0231, 3.7536.



This preview shows how white text looks on a background with the XYZ color 21.6622, 24.0231,

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

21.6622, 24.0231, 3.7536

Protanopia

21.6622, 24.0231, 3.7536

Deuteranopia

24.4143, 24.0314, 3.9678



Tritanopia

26.2040, 23.8901, 26.1518

Trichromacy



Original Color

21.6622, 24.0231, 3.7536

Protanomaly

21.6622, 24.0231, 3.7536

Deuteranomaly

23.3068, 24.0536, 3.8664

Tritanomaly

23.5581, 23.5899, 12.7629

Monochromacy



Original Color

21.6622, 24.0231, 3.7536

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4033, 21.4759, 11.3062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6622, 24.0231, 3.7536 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(152, 135, 9)` looks like.

```
.text, #text, p{  
    color:rgb(152, 135, 9)  
}
```

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(152, 135, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 135, 9) }
```

Border

The CSS property to change the border of an element to XYZ 21.6622, 24.0231, 3.7536 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(152, 135, 9) }
```


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

```
.border{ border-color:rgb(152, 135, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 135, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 135, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 135, 9);  
box-shadow:4px 4px 4px 4px rgb(152, 135,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6622, 24.0231, 3.7536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 135, 9) }
```

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

```
.background{ background-color: rgb(152,  
135, 9) }
```

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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