

Converting Colors

XYZ(21.3826, 22.7664, 9.4791)

Have a look what the booklet for
XYZ(21.3826, 22.7664, 9.4791)
contains.

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Color

**XYZ(21.3651, 22.7290,
9.3920)**

Conversions

Conversions Part 1

Format	Color
Hex	948248
RGB	148, 130, 72
RGB Percent	58%, 51%, 28%
CMY	0.4196, 0.4902, 0.7176
CMYK	0.00, 0.12, 0.51, 0.42
HSL	46°, 35%, 43%
HSV	46°, 51%, 58%
XYZ	21.3651, 22.7290, 9.3920
YIQ	128.7700, 29.3460, -14.2220

Conversions

Conversions Part 2

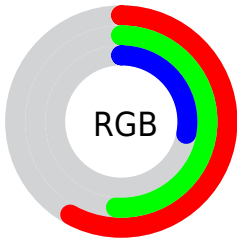
Format	Color
R_{YB}	96, 148, 72
Decimal	9732680
CIE _{Lab}	54.79, -1.13, 33.69
CIE _{LCh}	55, 33.706, 91.913
Yxy	22.7290, 0.3995, 0.4250
Android (android.graphics.Color)	4287922760 (0xFF948248)
YUV	128.7700, -27.9876, 16.8647
Hunter-Lab	47.6749, -3.4380, 21.6923

Details

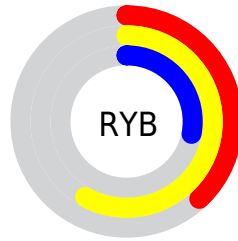
The XYZ color **21.3651, 22.7290, 9.3920** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **11.6739, 10.8279, 29.4917**, and the grayscale version is **20.8738, 21.9609, 23.9154**.

A 20% lighter version of the original color is **45.3482, 48.1095, 25.3083**, and **7.8372, 8.3879, 2.1257** is the 20% darker color. If you saturate the color by 10%, you get **20.4812, 21.6430, 6.9954**, and if you desaturate by 10%, it is **22.3823, 23.8954, 12.4070**.

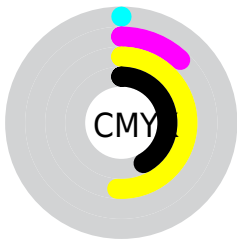
Distribution



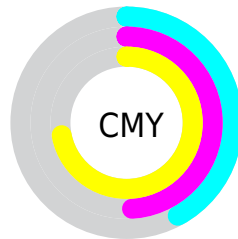
- Red (58%)
- Green (51%)
- Blue (28%)



- Red (38%)
- Yellow (58%)
- Blue (28%)



- Cyan (0%)
- Magenta (12%)
- Yellow (51%)
- Black (42%)



- Cyan (42%)
- Magenta (49%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3651, 22.7290, 9.3920 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 21.3651, 22.7290, 9.3920 by changing the saturation by 10% instead.

■ 21.3651, 22.7290,
9.3920

■ 21.3651, 22.7290,
9.3920

251.9076,
266.3300, 196.6003

■ 13.5051, 14.3935,
4.8975

■ 45.1811, 47.9480,
25.2351

■ 7.8567, 8.3949,
2.1295

■ 61.8678, 65.6002,
37.4208

■ 4.0544, 4.3486,
0.6333

■ 82.2275, 87.1269,
53.0073

■ 1.7330, 1.8704,
0.0000

■ 106.6255,
112.9124, 72.4131

■ 0.4768, 0.5305,
0.0000

■ 135.4271,
143.3410, 96.0567

■ 0.0000, 0.0000,
0.0000

168.9978,

178.7973, 124.3568

207.7028,
219.6655, 157.7318

■ 21.3651, 22.7290,
9.3920

■ 21.3651, 22.7290,
9.3920

■ 20.4812, 21.6430,
6.9954

■ 22.3823, 23.8954,
12.4070

■ 19.7202, 20.6305,
5.1711

■ 23.5388, 25.1424,
16.0794

■ 19.0729, 19.6884,
3.8688

■ 24.8425, 26.4740,
20.4465

■ 18.5278, 18.8118,
3.0286

■ 26.2998, 27.8934,
25.5424

■ 18.1127, 18.0958,
2.5382

■ 27.9171, 29.4030,
31.3989

■ 29.7000, 31.0055,
38.0460

■ 31.6542, 32.7034,
45.5121

■ 33.7849, 34.4989,
53.8241

■ 36.0970, 36.3943,
63.0078

Harmonies

Analogous

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



25.1520, 22.7290, 10.7088



21.3651, 22.7290, 9.3920



18.0354, 22.7290, 11.1052

Triad

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



21.3651, 22.7290, 9.3920



16.0783, 22.7290, 37.2457



28.5546, 22.7290, 35.7102

Complementary

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



21.3651, 22.7290, 9.3920



11.6739, 10.8279, 29.4917

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.



25.6130, 22.7290, 46.5501



21.3651, 22.7290, 9.3920



18.4050, 22.7290, 47.6010

Square

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



21.3651, 22.7290, 9.3920



15.2091, 22.7290, 25.4389



21.8431, 22.7290, 51.4152



29.5772, 22.7290, 24.0698

Rectangle

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



21.3651, 22.7290, 9.3920



16.4443, 22.7290, 14.1329



21.8431, 22.7290, 51.4152



27.7420, 22.7290, 39.6719

Sweetspot

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



21.3656, 22.7301, 9.3925



45.3560, 48.2086, 41.3598



16.4186, 11.6862, 11.2882



10.2413, 10.8954, 9.0481



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.3656, 22.7301, 9.3925



35.8683, 37.8409, 11.6605



20.8130, 26.3149, 10.1135



6.1503, 6.5143, 6.1737



15.4927, 15.4998, 2.1752



0.2122, 0.2348, 0.0341

Inverse Universe

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



11.6739, 10.8279, 29.4917



16.7844, 14.4360, 51.3364



11.9773, 8.9973, 29.1224



5.6044, 5.8427, 7.3021



5.0988, 2.8923, 24.2206



0.0821, 0.0748, 0.3030

Previews

White Background



This preview shows how the XYZ color 21.3651, 22.7290, 9.3920 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 21.3651, 22.7290, 9.3920 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 21.3651, 22.7290, 9.3920

Background



This preview shows how black text looks on a background with the XYZ color 21.3651, 22.7290, 9.3920.



This preview shows how white text looks on a background with the XYZ color 21.3651, 22.7290,

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

21.3651, 22.7290, 9.3920

Protanopia

20.7876, 22.6298, 9.4032

Deuteranopia

23.0334, 22.6219, 9.4558



Tritanopia

24.6430, 22.7294, 25.2787

Trichromacy



Original Color

21.3651, 22.7290, 9.3920

Protanomaly

20.9631, 22.7202, 9.4115

Deuteranomaly

22.5023, 22.7277, 9.5042

Tritanomaly

23.2790, 22.7448, 18.2022

Monochromacy



Original Color

21.3651, 22.7290, 9.3920

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7104, 22.0175, 17.3456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3651, 22.7290, 9.3920 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(148, 130, 72)` looks like.

```
.text, #text, p{  
    color:rgb(148, 130, 72)  
}
```

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(148, 130, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 130, 72) }
```

Border

The CSS property to change the border of an element to XYZ 21.3651, 22.7290, 9.3920 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(148, 130, 72) }
```


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

```
.border{ border-color:rgb(148, 130, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 130, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 130, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 130, 72);  
box-shadow:4px 4px 4px 4px rgb(148, 130,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3651, 22.7290, 9.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 130, 72) }
```

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

```
.background{ background-color: rgb(148,  
130, 72) }
```

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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