

Converting Colors

XYZ(21.7058, 14.3180, 33.9796)

Have a look what the booklet for
XYZ(21.7058, 14.3180, 33.9796)
contains.

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Color

**XYZ(21.7049, 14.3129,
33.9664)**

Conversions

Conversions Part 1

Format	Color
Hex	984C9E
RGB	152, 76, 158
RGB Percent	60%, 30%, 62%
CMY	0.4039, 0.7019, 0.3804
CMYK	0.04, 0.52, 0.00, 0.38
HSL	296°, 35%, 46%
HSV	296°, 52%, 62%
XYZ	21.7049, 14.3129, 33.9664
YIQ	108.0720, 18.9740, 41.6140

Conversions

Conversions Part 2

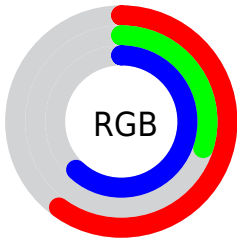
Format	Color
R_{YB}	152, 76, 158
Decimal	9981086
CIE _{Lab}	44.68, 44.07, -31.02
CIE _{LCh}	45, 53.896, 324.857
Yxy	14.3129, 0.3101, 0.2045
Android (android.graphics.Color)	4288171166 (0xFF984C9E)
YUV	108.0720, 24.6145, 38.5249
Hunter-Lab	37.8324, 36.2009, -26.7486

Details

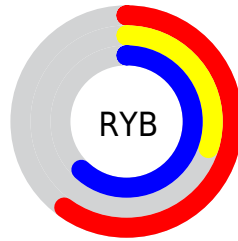
The XYZ color **21.7049, 14.3129, 33.9664** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.0115, 26.7697, 11.1086**, and the grayscale version is **14.2040, 14.9437, 16.2737**.

A 20% lighter version of the original color is **45.7418, 33.6523, 67.0355**, and **8.0737, 4.3465, 14.0491** is the 20% darker color. If you saturate the color by 10%, you get **20.5319, 12.2862, 33.6372**, and if you desaturate by 10%, it is **23.1483, 16.8766, 34.3854**.

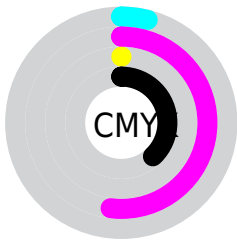
Distribution



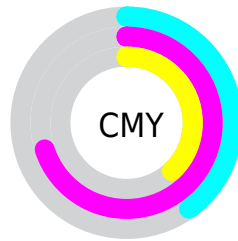
- Red (60%)
- Green (30%)
- Blue (62%)



- Red (60%)
- Yellow (30%)
- Blue (62%)



- Cyan (4%)
- Magenta (52%)
- Yellow (0%)
- Black (38%)



- Cyan (40%)
- Magenta (70%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7049, 14.3129, 33.9664 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 21.7049, 14.3129, 33.9664 by changing the saturation by 10% instead.

■ 21.7049, 14.3129,
33.9664

■ 21.7049, 14.3129,
33.9664

253.6627,
219.1688, 334.7468

■ 13.7556, 8.3386,
22.5906

■ 45.7403, 33.6432,
67.0147

■ 8.0314, 4.3124,
14.0891

■ 62.5571, 47.7680,
89.5243

■ 4.1671, 1.8498,
8.0432

■ 83.0604, 65.3784,
116.5823

■ 1.7971, 0.5179,
4.0344

■ 107.6156, 86.8589,
148.6073

■ 0.5159, 0.0000,
1.6443

■ 136.5881,
112.5937, 186.0176

■ 0.0000, 0.0000,
0.3221

170.3432,

■ 0.0000, 0.0000,

142.9674, 229.2320

0.0000

209.2463,
178.3643, 278.6688

■ 21.7049, 14.3129,
33.9664

■ 21.7049, 14.3129,
33.9664

■ 20.5319, 12.2862,
33.6372

■ 23.1483, 16.8766,
34.3854

■ 19.6080, 10.7548,
33.3903

■ 24.8786, 20.0111,
34.8992

■ 18.9108, 9.6738,
33.2184

■ 26.9125, 23.7500,
35.5137

■ 18.4134, 8.9895,
33.1126

■ 29.2653, 28.1234,
36.2338

■ 18.1042, 8.6201,
33.0576

■ 31.9511, 33.1595,
37.0643

■ 34.9831, 38.8849,
38.0096

■ 38.3738, 45.3246,
39.0739

■ 42.1352, 52.5024,
40.2611

■ 46.2786, 60.4411,
41.5751

Harmonies

Analogous

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



17.4542, 14.3129, 49.2463



21.7049, 14.3129, 33.9664



23.8169, 14.3129, 17.8448

Triad

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



21.7049, 14.3129, 33.9664



14.3719, 14.3129, 1.7989



7.3109, 14.3129, 28.0595

Complementary

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



21.7049, 14.3129, 33.9664



17.0115, 26.7697, 11.1086

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.



6.8293, 14.3129, 13.5233



21.7049, 14.3129, 33.9664



10.3662, 14.3129, 2.3539

Square

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



21.7049, 14.3129, 33.9664



19.0419, 14.3129, 3.0209



7.8207, 14.3129, 5.4250



9.3145, 14.3129, 44.7415

Rectangle

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



21.7049, 14.3129, 33.9664



23.4595, 14.3129, 10.1885



7.8207, 14.3129, 5.4250



6.9867, 14.3129, 22.6116

Sweetspot

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



21.7054, 14.3135, 33.9667



51.1856, 47.4191, 65.1985



12.2331, 10.1668, 33.6656



11.3551, 10.3476, 14.6425



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.7054, 14.3135, 33.9667



37.0401, 21.8963, 61.0176



20.3130, 13.8896, 20.6245



6.8562, 6.7299, 8.3443



14.5137, 6.9111, 26.4763



0.2723, 0.1302, 0.4740

Inverse Universe

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



18.2084, 13.0477, 9.5419



30.1214, 19.4214, 11.3629



18.0314, 27.1200, 19.0844



6.6518, 6.6536, 7.0174



11.3504, 5.8447, 0.8300



0.2081, 0.1065, 0.0417

Previews

White Background



This preview shows how the XYZ color 21.7049, 14.3129, 33.9664 looks on a white 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

Black Background



This preview shows how the XYZ color 21.7049, 14.3129, 33.9664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

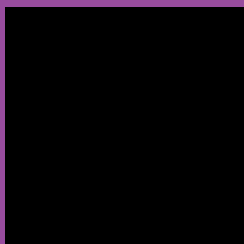
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7049, 14.3129, 33.9664

Background



This preview shows how black text looks on a background with the XYZ color 21.7049, 14.3129, 33.9664.



This preview shows how white text looks on a background with the XYZ color 21.7049, 14.3129,

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

21.7049, 14.3129, 33.9664

Protanopia

16.0663, 14.6557, 46.2380

Deuteranopia

14.8258, 14.4778, 32.1501



Tritanopia

17.4473, 14.2933, 13.3946

Trichromacy



Original Color

21.7049, 14.3129, 33.9664

Protanomaly

16.9124, 13.7892, 41.3054

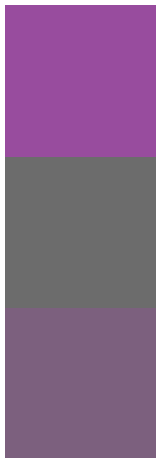
Deuteranomaly

16.4746, 13.7515, 32.7963

Tritanomaly

18.7506, 14.2147, 19.5247

Monochromacy



Original Color

21.7049, 14.3129, 33.9664

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.2609, 14.1572, 21.6142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7049, 14.3129, 33.9664 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, 76, 158)` looks like.

```
.text, #text, p{  
    color:rgb(152, 76, 158)  
}
```

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, 76, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 76, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.7049, 14.3129, 33.9664 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, 76, 158) }
```


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

```
.border{ border-color:rgb(152, 76, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 76, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 76, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 76, 158);  
box-shadow:4px 4px 4px 4px rgb(152, 76,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7049, 14.3129, 33.9664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 76, 158) }
```

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

```
.background{ background-color: rgb(152, 76,  
158) }
```

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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