

Converting Colors

XYZ(21.8623, 14.3236, 37.2099)

Have a look what the booklet for
XYZ(21.8623, 14.3236, 37.2099)
contains.

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Color

**XYZ(21.7704, 14.2751,
37.2052)**

Conversions

Conversions Part 1

Format	Color
Hex	954CA5
RGB	149, 76, 165
RGB Percent	58%, 30%, 65%
CMY	0.4157, 0.7019, 0.3529
CMYK	0.10, 0.54, 0.00, 0.35
HSL	289°, 37%, 47%
HSV	289°, 54%, 65%
XYZ	21.7704, 14.2751, 37.2052
YIQ	107.9730, 14.9390, 43.1550

Conversions

Conversions Part 2

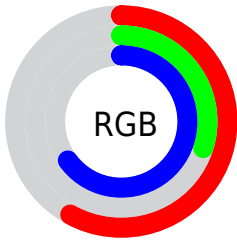
Format	Color
R_{YB}	149, 76, 165
Decimal	9784485
CIE _{Lab}	44.62, 44.61, -35.30
CIE _{LCh}	45, 56.885, 321.647
Yxy	14.2751, 0.2972, 0.1949
Android (android.graphics.Color)	4287974565 (0xFF954CA5)
YUV	107.9730, 28.1143, 35.9807
Hunter-Lab	37.7824, 36.7333, -31.9365

Details

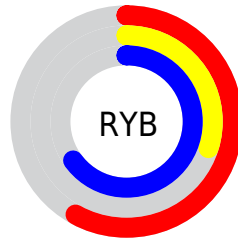
The XYZ color **21.7704, 14.2751, 37.2052** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.1737, 29.7077, 11.5618**, and the grayscale version is **14.1677, 14.9055, 16.2321**.

A 20% lighter version of the original color is **45.8143, 33.5848, 71.7780**, and **8.1311, 4.3323, 16.0304** is the 20% darker color. If you saturate the color by 10%, you get **20.2418, 12.0108, 36.8489**, and if you desaturate by 10%, it is **23.6053, 17.1308, 37.6599**.

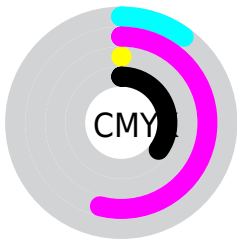
Distribution



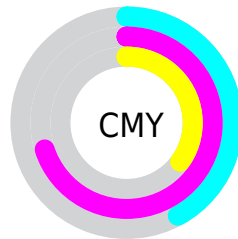
- Red (58%)
- Green (30%)
- Blue (65%)



- Red (58%)
- Yellow (30%)
- Blue (65%)



- Cyan (10%)
- Magenta (54%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (70%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7704, 14.2751, 37.2052 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 21.7704, 14.2751, 37.2052 by changing the saturation by 10% instead.

■ 21.7704, 14.2751,
37.2052

■ 21.7704, 14.2751,
37.2052

253.9999,
218.9356, 349.3935

■ 13.8039, 8.3122,
25.0694

■ 45.8479, 33.5764,
72.0781

■ 8.0652, 4.2954,
15.9093

■ 62.6897, 47.6836,
95.6523

■ 4.1889, 1.8401,
9.3063

■ 83.2206, 65.2743,
123.8763

■ 1.8095, 0.5120,
4.8420

■ 107.8060, 86.7331,
157.1688

■ 0.5234, 0.0000,
2.0977

■ 136.8113,
112.4442, 195.9482

■ 0.0000, 0.0000,
0.6144

170.6018,

■ 0.0000, 0.0000,

142.7920, 240.6331

0.0000

209.5429,
178.1610, 291.6420

■ 21.7704, 14.2751,
37.2052

■ 21.7704, 14.2751,
37.2052

■ 20.2418, 12.0108,
36.8489

■ 23.6053, 17.1308,
37.6599

■ 18.9952, 10.2904,
36.5826

■ 25.7655, 20.6167,
38.2189

■ 18.0047, 9.0623,
36.3977

■ 28.2700, 24.7707,
38.8887

■ 17.2390, 8.2637,
36.2839

■ 31.1361, 29.6270,
39.6750

■ 16.8377, 7.8956,
36.2340

■ 34.3798, 35.2173,
40.5831

■ 38.0162, 41.5717,
41.6179

■ 42.0593, 48.7183,
42.7843

■ 46.5226, 56.6840,
44.0866

■ 51.4190, 65.4942,
45.5290

Harmonies

Analogous

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



17.1062, 14.2751, 53.0727



21.7704, 14.2751, 37.2052



24.3585, 14.2751, 19.5287

Triad

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



21.7704, 14.2751, 37.2052



14.8964, 14.2751, 1.5283



6.8862, 14.2751, 26.9093

Complementary

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



21.7704, 14.2751, 37.2052



19.1737, 29.7077, 11.5618

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.



6.5539, 14.2751, 12.1405



21.7704, 14.2751, 37.2052



10.5549, 14.2751, 1.8757

Square

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



21.7704, 14.2751, 37.2052



19.8423, 14.2751, 2.9276



7.7381, 14.2751, 4.5157



8.7792, 14.2751, 45.1448

Rectangle

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



21.7704, 14.2751, 37.2052



24.2281, 14.2751, 10.9623



7.7381, 14.2751, 4.5157



6.6085, 14.2751, 21.2497

Sweetspot

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



21.7709, 14.2757, 37.2055



54.4932, 50.8943, 70.7038



13.6273, 11.9631, 37.1883



11.6915, 10.7495, 15.3962



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.7709, 14.2757, 37.2055



35.7058, 20.7340, 65.8725



22.6041, 14.9697, 25.2966



7.2389, 7.1375, 8.8992



12.7759, 5.9927, 27.4131



0.2992, 0.1418, 0.5774

Inverse Universe

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



20.0337, 13.9415, 11.7609



32.6042, 20.2744, 14.2514



18.9441, 29.4503, 17.8323



7.1234, 7.1058, 7.6360



11.9267, 6.1268, 1.5389



0.2642, 0.1342, 0.1041

Previews

White Background



This preview shows how the XYZ color 21.7704, 14.2751, 37.2052 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 21.7704, 14.2751, 37.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

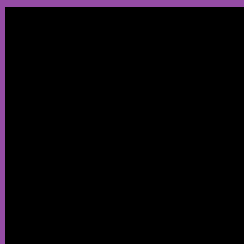
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7704, 14.2751, 37.2052

Background



This preview shows how black text looks on a background with the XYZ color 21.7704, 14.2751, 37.2052.



This preview shows how white text looks on a background with the XYZ color 21.7704, 14.2751,

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

21.7704, 14.2751, 37.2052

Protanopia

16.3245, 14.5420, 50.6617

Deuteranopia

14.8925, 14.5955, 35.2900



Tritanopia

17.0298, 14.3243, 13.9239

Trichromacy



Original Color

21.7704, 14.2751, 37.2052

Protanomaly

17.0787, 13.6517, 45.4510

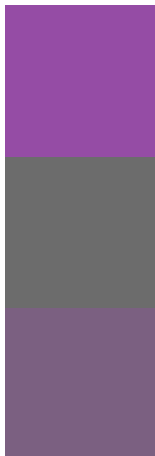
Deuteranomaly

16.5577, 13.8572, 35.9844

Tritanomaly

18.3740, 14.1113, 20.8241

Monochromacy



Original Color

21.7704, 14.2751, 37.2052

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.3137, 14.1617, 22.6425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7704, 14.2751, 37.2052 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(149, 76, 165)` looks like.

```
.text, #text, p{  
    color:rgb(149, 76, 165)  
}
```

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(149, 76, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 76, 165) }
```

Border

The CSS property to change the border of an element to XYZ 21.7704, 14.2751, 37.2052 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(149, 76, 165) }
```


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

```
.border{ border-color:rgb(149, 76, 165) }
```

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

Here you see how a box with a 4 pixel rgb(149, 76, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 76, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 76, 165);  
box-shadow:4px 4px 4px 4px rgb(149, 76,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7704, 14.2751, 37.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 76, 165) }
```

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

```
.background{ background-color: rgb(149, 76,  
165) }
```

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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