

Converting Colors

XYZ(21.5534, 13.7564, 37.5975)

Have a look what the booklet for
XYZ(21.5534, 13.7564, 37.5975)
contains.

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Color

**XYZ(21.5947, 13.7775,
37.5975)**

Conversions

Conversions Part 1

Format	Color
Hex	9548A6
RGB	149, 72, 166
RGB Percent	58%, 28%, 65%
CMY	0.4157, 0.7176, 0.3490
CMYK	0.10, 0.57, 0.00, 0.35
HSL	289°, 39%, 47%
HSV	289°, 57%, 65%
XYZ	21.5947, 13.7775, 37.5975
YIQ	105.7390, 15.7180, 45.5580

Conversions

Conversions Part 2

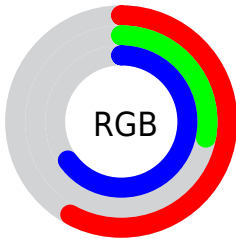
Format	Color
R_{YB}	149, 72, 166
Decimal	9783462
CIE _{Lab}	43.91, 46.86, -37.02
CIE _{LCh}	44, 59.713, 321.692
Yxy	13.7775, 0.2959, 0.1888
Android (android.graphics.Color)	4287973542 (0xFF9548A6)
YUV	105.7390, 29.7087, 37.9399
Hunter-Lab	37.1181, 38.8919, -34.0732

Details

The XYZ color **21.5947, 13.7775, 37.5975** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.9262, 29.8645, 10.8985**, and the grayscale version is **13.5472, 14.2527, 15.5212**.

A 20% lighter version of the original color is **45.5693, 32.6684, 73.0111**, and **7.9163, 4.0578, 15.9888** is the 20% darker color. If you saturate the color by 10%, you get **20.1223, 11.6350, 37.2618**, and if you desaturate by 10%, it is **23.3720, 16.5079, 38.0311**.

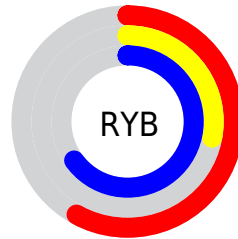
Distribution



Red (58%)

Green (28%)

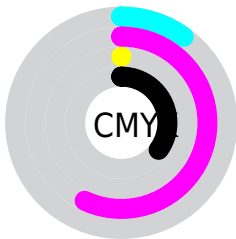
Blue (65%)



Red (58%)

Yellow (28%)

Blue (65%)

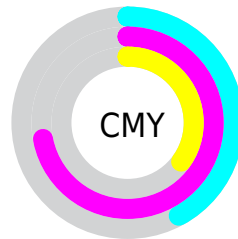


Cyan (10%)

Magenta (57%)

Yellow (0%)

Black (35%)



Cyan (42%)

Magenta (72%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5947, 13.7775, 37.5975 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 21.5947, 13.7775, 37.5975 by changing the saturation by 10% instead.

■ 21.5947, 13.7775,
37.5975

■ 21.5947, 13.7775,
37.5975

253.0947,
215.8422, 351.1365

■ 13.6743, 7.9661,
25.3710

■ 45.5591, 32.6937,
72.6874

■ 7.9747, 4.0732,
16.1322

■ 62.3338, 46.5673,
96.3878

■ 4.1304, 1.7146,
9.4624

■ 82.7906, 63.8970,
124.7501

■ 1.7762, 0.4331,
4.9431

■ 107.2950, 85.0674,
158.1926

■ 0.5033, 0.0000,
2.1557

■ 136.2122,
110.4626, 197.1340

■ 0.0000, 0.0000,
0.6487

169.9077,

■ 0.0000, 0.0000,

140.4673, 241.9927

0.0000

208.7467,
175.4657, 293.1874

■ 21.5947, 13.7775,
37.5975

■ 21.5947, 13.7775,
37.5975

■ 20.1223, 11.6350,
37.2618

■ 23.3720, 16.5079,
38.0311

■ 18.9292, 10.0307,
37.0150

■ 25.4739, 19.8670,
38.5687

■ 17.9881, 8.9098,
36.8482

■ 27.9205, 23.8940,
39.2170

■ 17.2591, 8.1926,
36.7482

■ 30.7294, 28.6244,
39.9820

■ 17.0330, 7.9857,
36.7202

■ 33.9172, 34.0910,
40.8691

■ 37.4995, 40.3247,
41.8836

■ 41.4908, 47.3547,
43.0301

■ 45.9050, 55.2085,
44.3134

■ 50.7553, 63.9122,
45.7378

Harmonies

Analogous

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



16.7478, 13.7775, 54.4840



21.5947, 13.7775, 37.5975



24.2972, 13.7775, 19.0833

Triad

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



21.5947, 13.7775, 37.5975



14.4521, 13.7775, 1.1761



6.3381, 13.7775, 26.8180

Complementary

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



21.5947, 13.7775, 37.5975



18.9262, 29.8645, 10.8985

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.



6.0063, 13.7775, 11.5474



21.5947, 13.7775, 37.5975



10.0163, 13.7775, 1.4876

Square

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



21.5947, 13.7775, 37.5975



19.5719, 13.7775, 2.4471



7.1822, 13.7775, 3.9631



8.2326, 13.7775, 46.0757

Rectangle

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



21.5947, 13.7775, 37.5975



24.1568, 13.7775, 10.3228



7.1822, 13.7775, 3.9631



6.0618, 13.7775, 20.9151

Sweetspot

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



21.5952, 13.7781, 37.5978



55.3963, 51.3142, 72.4602



13.1478, 11.3152, 37.5676



12.1686, 11.0966, 16.1526



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.5952, 13.7781, 37.5978



35.9011, 20.2568, 67.4930



22.5042, 14.5265, 24.9979



7.7069, 7.5970, 9.4785



13.2439, 6.2109, 28.4763



0.3559, 0.1685, 0.6944

Inverse Universe

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



19.8469, 13.4636, 11.0045



32.8034, 19.8589, 13.1743



18.6959, 29.6052, 17.2395



7.5845, 7.5636, 8.1290



12.3896, 6.3645, 1.5971



0.3169, 0.1610, 0.1203

Previews

White Background



This preview shows how the XYZ color 21.5947, 13.7775, 37.5975 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 21.5947, 13.7775, 37.5975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

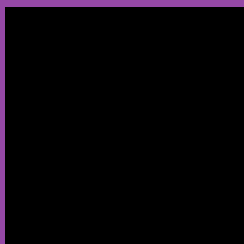
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5947, 13.7775, 37.5975

Background



This preview shows how black text looks on a background with the XYZ color 21.5947, 13.7775, 37.5975.



This preview shows how white text looks on a background with the XYZ color 21.5947, 13.7775,

37.5975.

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

21.5947, 13.7775, 37.5975

Protanopia

15.9667, 14.0275, 52.3181

Deuteranopia

14.2760, 13.9752, 35.2028



Tritanopia

16.6291, 13.7508, 13.0870

Trichromacy



Original Color

21.5947, 13.7775, 37.5975

Protanomaly

16.4199, 12.9049, 46.4252

Deuteranomaly

15.9423, 13.1465, 35.8797

Tritanomaly

17.9338, 13.4313, 20.0596

Monochromacy



Original Color

21.5947, 13.7775, 37.5975

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.9250, 13.7015, 22.2274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5947, 13.7775, 37.5975 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, 72, 166)` looks like.

```
.text, #text, p{  
    color:rgb(149, 72, 166)  
}
```

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, 72, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 72, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.5947, 13.7775, 37.5975 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, 72, 166) }
```


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

```
.border{ border-color:rgb(149, 72, 166) }
```

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

Here you see how a box with a 4 pixel rgb(149, 72, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 72, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 72, 166);  
box-shadow:4px 4px 4px 4px rgb(149, 72,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5947, 13.7775, 37.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 72, 166) }
```

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

```
.background{ background-color: rgb(149, 72,  
166) }
```

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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