

Converting Colors

XYZ(21.2735, 10.4470, 37.3227)

Have a look what the booklet for
XYZ(21.2735, 10.4470, 37.3227)
contains.

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Color

**XYZ(21.2609, 10.4297,
37.4518)**

Conversions

Conversions Part 1

Format	Color
Hex	9E10A7
RGB	158, 16, 167
RGB Percent	62%, 6%, 65%
CMY	0.3804, 0.9372, 0.3451
CMYK	0.05, 0.90, 0.00, 0.35
HSL	296°, 83%, 36%
HSV	296°, 90%, 65%
XYZ	21.2609, 10.4297, 37.4518
YIQ	75.6720, 36.1610, 77.0650

Conversions

Conversions Part 2

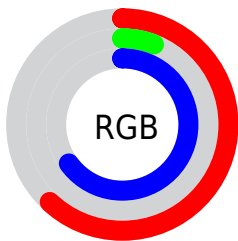
Format	Color
RYB	158, 16, 167
Decimal	10358951
CIELab	38.60, 68.16, -45.99
CIELCh	39, 82.224, 325.992
Yxy	10.4297, 0.3075, 0.1508
Android (android.graphics.Color)	4288549031 (0xFF9E10A7)
YUV	75.6720, 45.0247, 72.2017
Hunter-Lab	32.2950, 60.9961, -46.1507

Details

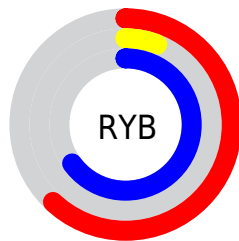
The XYZ color **21.2609, 10.4297, 37.4518** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.3135, 27.8818, 5.1180**, and the grayscale version is **6.7269, 7.0772, 7.7071**.

A 20% lighter version of the original color is **44.9660, 26.5822, 72.5729**, and **8.5168, 4.0397, 16.2504** is the 20% darker color. If you saturate the color by 10%, you get **20.8889, 9.9629, 37.3814**, and if you desaturate by 10%, it is **21.8084, 11.2323, 37.5780**.

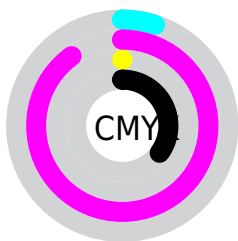
Distribution



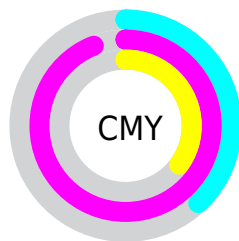
- Red (62%)
- Green (6%)
- Blue (65%)



- Red (62%)
- Yellow (6%)
- Blue (65%)



- Cyan (5%)
- Magenta (90%)
- Yellow (0%)
- Black (35%)





- Cyan (38%)
- Magenta (94%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2609, 10.4297, 37.4518 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 21.2609, 10.4297, 37.4518 by changing the saturation by 10% instead.


 21.2609, 10.4297,
37.4518


 21.2609, 10.4297,
37.4518


251.3674,
193.7120, 350.4899


 13.4284, 5.6848,
25.2590


 45.0094, 26.6006,
72.4612


 7.8032, 2.6544,
16.0493


 61.6560, 38.7955,
96.1148


 4.0200, 0.9541,
9.4043


 81.9714, 54.2424,
124.4258

 1.7135, 0.0000,
4.9054

 106.3210, 73.3257,
157.8127

 0.4647, 0.0000,
2.1341

 135.0700, 96.4300,
196.6940

 0.0000, 0.0000,
0.6360

 168.5838,

 0.0000, 0.0000,

123.9395, 241.4882

0.0000

207.2278,
156.2387, 292.6140

■ 21.2609, 10.4297,
37.4518

■ 21.2609, 10.4297,
37.4518

■ 20.8889, 9.9629,
37.3814

■ 21.8084, 11.2323,
37.5780

■ 22.5863, 12.4939,
37.7805

■ 23.6252, 14.2752,
38.0696

■ 24.9507, 16.6272,
38.4537

■ 26.5852, 19.5950,
38.9404

■ 28.5491, 23.2192,
39.5364

■ 30.8609, 27.5367,
40.2480

■ 33.5378, 32.5819,
41.0807

■ 36.5957, 38.3867,
42.0400

Harmonies

Analogous

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



15.1992, 10.4297, 64.5933



21.2609, 10.4297, 37.4518



24.3091, 10.4297, 13.5652

Triad

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



21.2609, 10.4297, 37.4518



10.6571, 10.4297, 0.0000



3.1999, 10.4297, 30.0249

Complementary

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



21.2609, 10.4297, 37.4518



14.3135, 27.8818, 5.1180

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.



2.7412, 10.4297, 9.4010



21.2609, 10.4297, 37.4518



6.0214, 10.4297, 0.0000

Square

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



21.2609, 10.4297, 37.4518



16.9335, 10.4297, 0.0000



3.5539, 10.4297, 1.5198



5.1636, 10.4297, 58.1910

Rectangle

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



21.2609, 10.4297, 37.4518



23.6305, 10.4297, 4.9727



3.5539, 10.4297, 1.5198



2.9042, 10.4297, 21.6850

Sweetspot

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



21.2613, 10.4302, 37.4520



52.2742, 43.7135, 71.1577



7.5600, 3.6425, 36.8640



11.4127, 9.2517, 15.8364



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.



21.2613, 10.4302, 37.4520



37.3476, 17.8103, 66.9446



18.4989, 9.5373, 13.3251



7.7971, 7.6435, 9.4827



15.9991, 7.6312, 28.6052



0.4020, 0.1923, 0.6966

Inverse Universe

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



16.2974, 8.6567, 1.7322



28.6131, 14.7423, 1.7155



15.5344, 28.3485, 12.5243



7.5486, 7.5493, 7.9400



12.2430, 6.3059, 0.8250



0.3034, 0.1556, 0.0490

Previews

White Background



This preview shows how the XYZ color 21.2609, 10.4297, 37.4518 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

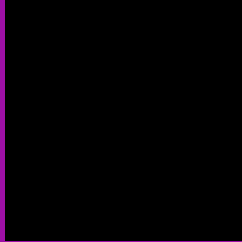
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2609, 10.4297, 37.4518

Background



This preview shows how black text looks on a background with the XYZ color 21.2609, 10.4297, 37.4518.



This preview shows how white text looks on a background with the XYZ color 21.2609, 10.4297,

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

21.2609, 10.4297, 37.4518

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

11.1269, 10.8439, 33.4049



Tritanopia

15.1771, 10.6723, 7.2213

Trichromacy



Original Color

21.2609, 10.4297, 37.4518



Protanomaly

11.7505, 7.6513, 44.5736



Deuteranomaly

12.2538, 8.3800, 34.6899



Tritanomaly

16.4210, 9.7338, 14.6490

Monochromacy



Original Color

21.2609, 10.4297, 37.4518



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

10.0233, 6.8066, 15.2535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2609, 10.4297, 37.4518 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(158, 16, 167)` looks like.

```
.text, #text, p{  
    color:rgb(158, 16, 167)  
}
```

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(158, 16, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 16, 167) }
```

Border

The CSS property to change the border of an element to XYZ 21.2609, 10.4297, 37.4518 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(158, 16, 167) }
```


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

```
.border{ border-color:rgb(158, 16, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 16, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 16, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 16, 167);  
box-shadow:4px 4px 4px 4px rgb(158, 16,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2609, 10.4297, 37.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 16, 167) }
```

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

```
.background{ background-color: rgb(158, 16,  
167) }
```

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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