

Converting Colors

XYZ(21.4498, 12.6988, 38.0486)

Have a look what the booklet for
XYZ(21.4498, 12.6988, 38.0486)
contains.

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Color

**XYZ(21.4063, 12.7068,
37.8836)**

Conversions

Conversions Part 1

Format	Color
Hex	973DA7
RGB	151, 61, 167
RGB Percent	59%, 24%, 65%
CMY	0.4078, 0.7608, 0.3451
CMYK	0.10, 0.63, 0.00, 0.35
HSL	291°, 46%, 45%
HSV	291°, 63%, 65%
XYZ	21.4063, 12.7068, 37.8836
YIQ	99.9940, 19.6140, 52.0460

Conversions

Conversions Part 2

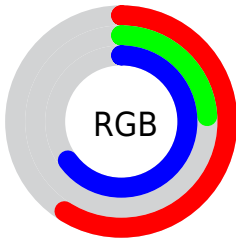
Format	Color
R_{YB}	151, 61, 167
Decimal	9911719
CIE _{Lab}	42.32, 52.84, -40.12
CIE _{LCh}	42, 66.342, 322.791
Yxy	12.7068, 0.2973, 0.1765
Android (android.graphics.Color)	4288101799 (0xFF973DA7)
YUV	99.9940, 33.0340, 44.7323
Hunter-Lab	35.6466, 44.8103, -38.0581

Details

The XYZ color **21.4063, 12.7068, 37.8836** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.7219, 29.5524, 9.1855**, and the grayscale version is **12.0271, 12.6534, 13.7796**.

A 20% lighter version of the original color is **45.3490, 30.7722, 73.3615**, and **7.9670, 3.7563, 16.2247** is the 20% darker color. If you saturate the color by 10%, you get **20.1870, 10.9549, 37.6099**, and if you desaturate by 10%, it is **22.9141, 15.0200, 38.2508**.

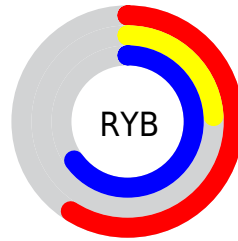
Distribution



Red (59%)

Green (24%)

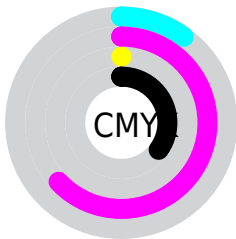
Blue (65%)



Red (59%)

Yellow (24%)

Blue (65%)

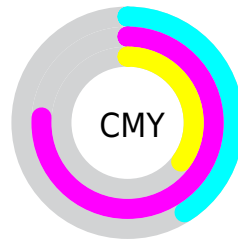


Cyan (10%)

Magenta (63%)

Yellow (0%)

Black (35%)



Cyan (41%)


Magenta (76%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4063, 12.7068, 37.8836 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 21.4063, 12.7068, 37.8836 by changing the saturation by 10% instead.


 21.4063, 12.7068,
37.8836


 21.4063, 12.7068,
37.8836


252.1210,
209.0300, 352.4036


 13.5355, 7.2270,
25.5912


 45.2490, 30.7760,
73.1311

 7.8778, 3.6044,
16.2951


 61.9515, 44.1342,
96.9234


 4.0680, 1.4549,
9.5766


 82.3286, 60.8873,
125.3860

 1.7407, 0.2566,
5.0172

 106.7458, 81.4196,
158.9375

 0.4815, 0.0000,
2.1985

 135.5682,
106.1157, 197.9965

 0.0000, 0.0000,
0.6735

169.1613,

 0.0000, 0.0000,

135.3598, 242.9815

0.0000

207.8905,
169.5365, 294.3110

■ 21.4063, 12.7068,
37.8836

■ 21.4063, 12.7068,
37.8836

■ 20.1870, 10.9549,
37.6099

■ 22.9141, 15.0200,
38.2508

■ 19.2280, 9.7092,
37.4200

■ 24.7324, 17.9396,
38.7185

■ 18.4976, 8.9061,
37.3035

■ 26.8825, 21.5079,
39.2940

■ 18.0951, 8.5226,
37.2507

■ 29.3836, 25.7630,
39.9834

■ 32.2532, 30.7400,
40.7929

■ 35.5078, 36.4716,
41.7276

■ 39.1627, 42.9884,
42.7929

■ 43.2324, 50.3195,
43.9934

■ 47.7308, 58.4924,
45.3339

Harmonies

Analogous

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



16.1732, 12.7068, 57.5559



21.4063, 12.7068, 37.8836



24.2651, 12.7068, 17.5648

Triad

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



21.4063, 12.7068, 37.8836



13.3176, 12.7068, 0.4995



5.2326, 12.7068, 27.3865

Complementary

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



21.4063, 12.7068, 37.8836



17.7219, 29.5524, 9.1855

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.



4.8577, 12.7068, 10.6755



21.4063, 12.7068, 37.8836



8.7390, 12.7068, 0.8249

Square

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



21.4063, 12.7068, 37.8836



18.8322, 12.7068, 1.4782



5.9502, 12.7068, 3.0034



7.1686, 12.7068, 49.1161

Rectangle

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



21.4063, 12.7068, 37.8836



24.0086, 12.7068, 8.6150



5.9502, 12.7068, 3.0034



4.9464, 12.7068, 20.8274

Sweetspot

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



21.4068, 12.7073, 37.8839



54.6632, 49.6582, 72.1792



11.6720, 9.3267, 37.7444



11.9246, 10.5805, 16.0659



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.



21.4068, 12.7073, 37.8839



35.4302, 18.6462, 67.2070



21.7475, 13.2102, 23.1145



7.7290, 7.6084, 9.4796



13.8793, 6.5384, 28.5060



0.3668, 0.1741, 0.6949

Inverse Universe

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



18.9450, 12.0892, 8.3565



31.1053, 17.7054, 8.7777



17.8703, 29.4805, 15.8960



7.5756, 7.5601, 8.0821



12.3426, 6.3458, 1.3498



0.3136, 0.1597, 0.1027

Previews

White Background



This preview shows how the XYZ color 21.4063, 12.7068, 37.8836 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 21.4063, 12.7068, 37.8836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

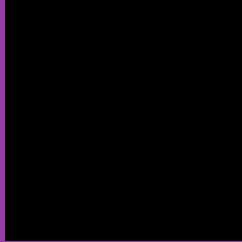
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4063, 12.7068, 37.8836

Background



This preview shows how black text looks on a background with the XYZ color 21.4063, 12.7068, 37.8836.



This preview shows how white text looks on a background with the XYZ color 21.4063, 12.7068,

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

21.4063, 12.7068, 37.8836

Protanopia

15.3874, 13.0467, 57.5844

Deuteranopia

13.3136, 13.0387, 35.0727



Tritanopia

16.0003, 12.7416, 11.2889

Trichromacy



Original Color

21.4063, 12.7068, 37.8836



Protanomaly

15.0281, 11.3925, 49.5510



Deuteranomaly

14.9757, 11.8966, 36.1573



Tritanomaly

17.5315, 12.4966, 18.6276

Monochromacy



Original Color

21.4063, 12.7068, 37.8836



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.5736, 12.0328, 20.6232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4063, 12.7068, 37.8836 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(151, 61, 167)` looks like.

```
.text, #text, p{  
    color:rgb(151, 61, 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(151, 61, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 61, 167) }
```

Border

The CSS property to change the border of an element to XYZ 21.4063, 12.7068, 37.8836 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(151, 61, 167) }
```


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

```
.border{ border-color:rgb(151, 61, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 61, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 61, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 61, 167); box-shadow:4px 4px 4px 4px rgb(151, 61, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4063, 12.7068, 37.8836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 61, 167) }
```

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

```
.background{ background-color: rgb(151, 61,  
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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