

Converting Colors

XYZ(21.4080, 14.1091, 36.2453)

Have a look what the booklet for
XYZ(21.4080, 14.1091, 36.2453)
contains.

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Color

**XYZ(21.4080, 14.1091,
36.2453)**

Conversions

Conversions Part 1

Format	Color
Hex	944CA3
RGB	148, 76, 163
RGB Percent	58%, 30%, 64%
CMY	0.4196, 0.7019, 0.3608
CMYK	0.09, 0.53, 0.00, 0.36
HSL	290°, 36%, 47%
HSV	290°, 53%, 64%
XYZ	21.4080, 14.1091, 36.2453
YIQ	107.4460, 14.9850, 42.3210

Conversions

Conversions Part 2

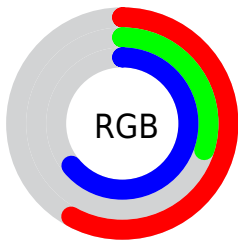
Format	Color
RYB	148, 76, 163
Decimal	9718947
CIELab	44.39, 43.92, -34.49
CIElCh	44, 55.843, 321.856
Yxy	14.1091, 0.2983, 0.1966
Android (android.graphics.Color)	4287909027 (0xFF944CA3)
YUV	107.4460, 27.3881, 35.5659
Hunter-Lab	37.5621, 36.0000, -30.9181

Details

The XYZ color **21.4080, 14.1091, 36.2453** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.7165, 28.9406, 11.4377**, and the grayscale version is **14.0228, 14.7530, 16.0660**.

A 20% lighter version of the original color is **45.2759, 33.3377, 70.3782**, and **7.9152, 4.2339, 15.4390** is the 20% darker color. If you saturate the color by 10%, you get **19.9220, 11.8822, 35.8940**, and if you desaturate by 10%, it is **23.1919, 16.9126, 36.6926**.

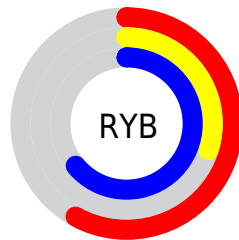
Distribution



Red (58%)

Green (30%)

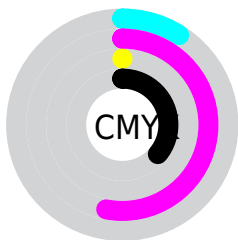
Blue (64%)



Red (58%)

Yellow (30%)

Blue (64%)

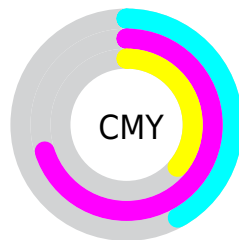


Cyan (9%)

Magenta (53%)

Yellow (0%)

Black (36%)



Cyan (42%)

Magenta (70%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4080, 14.1091, 36.2453 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 21.4080, 14.1091, 36.2453 by changing the saturation by 10% instead.

■ 21.4080, 14.1091,
36.2453

■ 21.4080, 14.1091,
36.2453

252.1298,
217.9085, 345.1012

■ 13.5367, 8.1966,
24.3325

■ 45.2518, 33.2825,
70.5838

■ 7.8787, 4.2210,
15.3660

■ 61.9549, 47.3121,
93.8466

■ 4.0686, 1.7979,
8.9272

■ 82.3328, 64.8163,
121.7298

■ 1.7410, 0.4859,
4.5975

■ 106.7507, 86.1794,
154.6520

■ 0.4817, 0.0000,
1.9586

■ 135.5740,
111.7857, 193.0317

■ 0.0000, 0.0000,
0.5296

169.1680,

■ 0.0000, 0.0000,

142.0198, 237.2875

0.0000

207.8982,
177.2659, 287.8378

■ 21.4080, 14.1091,
36.2453

■ 21.4080, 14.1091,
36.2453

■ 19.9220, 11.8822,
35.8940

■ 23.1919, 16.9126,
36.6926

■ 18.7103, 10.1861,
35.6305

■ 25.2919, 20.3302,
37.2416

■ 17.7481, 8.9712,
35.4467

■ 27.7264, 24.3982,
37.8985

■ 17.0055, 8.1773,
35.3326

■ 30.5120, 29.1499,
38.6688

■ 16.5861, 7.7868,
35.2793

■ 33.6642, 34.6159,
39.5578

■ 37.1976, 40.8252,
40.5701

■ 41.1258, 47.8052,
41.7103

■ 45.4618, 55.5816,
42.9827

■ 50.2181, 64.1793,
44.3916

Harmonies

Analogous

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



16.8869, 14.1091, 51.6194



21.4080, 14.1091, 36.2453



23.8972, 14.1091, 19.1367

Triad

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



21.4080, 14.1091, 36.2453



14.6704, 14.1091, 1.5855



6.8888, 14.1091, 26.5244

Complementary

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



21.4080, 14.1091, 36.2453



18.7165, 28.9406, 11.4377

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.



6.5524, 14.1091, 12.1202



21.4080, 14.1091, 36.2453



10.4469, 14.1091, 1.9459

Square

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



21.4080, 14.1091, 36.2453



19.4786, 14.1091, 2.9693



7.7032, 14.1091, 4.5943



8.7546, 14.1091, 44.1559

Rectangle

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



21.4080, 14.1091, 36.2453



23.7548, 14.1091, 10.8228



7.7032, 14.1091, 4.5943



6.6128, 14.1091, 21.0213

Sweetspot

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



21.4085, 14.1097, 36.2456



53.1187, 49.5864, 68.8276



13.4147, 11.8271, 36.2263



11.7088, 10.7585, 15.3970



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.



21.4085, 14.1097, 36.2456



35.2494, 20.6605, 64.1861



22.0940, 14.7179, 24.7650



7.2440, 7.1401, 8.8995



12.9239, 6.0690, 27.4200



0.3013, 0.1428, 0.5775

Inverse Universe

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



19.5774, 13.7113, 11.5128



31.9268, 20.0521, 14.1299



18.5540, 28.7216, 17.5437



7.1213, 7.1050, 7.6252



11.9149, 6.1220, 1.4768



0.2635, 0.1339, 0.1003

Previews

White Background



This preview shows how the XYZ color 21.4080, 14.1091, 36.2453 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 21.4080, 14.1091, 36.2453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

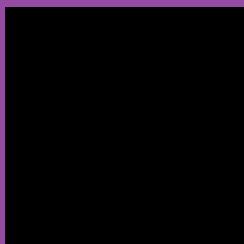
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4080, 14.1091, 36.2453

Background



This preview shows how black text looks on a background with the XYZ color 21.4080, 14.1091, 36.2453.



This preview shows how white text looks on a background with the XYZ color 21.4080, 14.1091,

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

21.4080, 14.1091, 36.2453

Protanopia

16.0667, 14.4466, 48.9554

Deuteranopia

14.7028, 14.3656, 34.3457



Tritanopia

16.7267, 14.0441, 13.6336

Trichromacy



Original Color

21.4080, 14.1091, 36.2453

Protanomaly

16.7741, 13.5299, 43.8469

Deuteranomaly

16.2917, 13.6076, 35.0256

Tritanomaly

17.9960, 13.8115, 20.1297

Monochromacy



Original Color

21.4080, 14.1091, 36.2453

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.0397, 14.0356, 21.9424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4080, 14.1091, 36.2453 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(148, 76, 163)` looks like.

```
.text, #text, p{  
    color:rgb(148, 76, 163)  
}
```

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(148, 76, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 76, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.4080, 14.1091, 36.2453 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(148, 76, 163) }
```


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

```
.border{ border-color:rgb(148, 76, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 76, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 76, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 76, 163);  
box-shadow:4px 4px 4px 4px rgb(148, 76,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4080, 14.1091, 36.2453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 76, 163) }
```

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

```
.background{ background-color: rgb(148, 76,  
163) }
```

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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