

Converting Colors

XYZ(21.7744, 13.3711, 30.8080)

Have a look what the booklet for
XYZ(21.7744, 13.3711, 30.8080)
contains.

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Color

**XYZ(21.7743, 13.3859,
30.7143)**

Conversions

Conversions Part 1

Format	Color
Hex	9F4197
RGB	159, 65, 151
RGB Percent	62%, 25%, 59%
CMY	0.3765, 0.7451, 0.4078
CMYK	0.00, 0.59, 0.05, 0.38
HSL	305°, 42%, 44%
HSV	305°, 59%, 62%
XYZ	21.7743, 13.3859, 30.7143
YIQ	102.9100, 28.4180, 46.6740

Conversions

Conversions Part 2

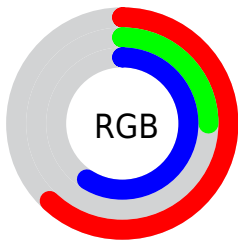
Format	Color
R _Y B	159, 65, 151
Decimal	10437015
CIE Lab	43.34, 50.17, -28.86
CIE LCh	43, 57.877, 330.092
Yxy	13.3859, 0.3305, 0.2032
Android (android.graphics.Color)	4288627095 (0xFF9F4197)
YUV	102.9100, 23.7084, 49.1909
Hunter-Lab	36.5867, 42.2060, -24.1628

Details

The XYZ color **21.7743, 13.3859, 30.7143** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.7813, 26.4017, 10.5685**, and the grayscale version is **12.8030, 13.4698, 14.6686**.

A 20% lighter version of the original color is **45.9379, 32.0120, 62.1503**, and **8.1259, 3.9234, 12.3856** is the 20% darker color. If you saturate the color by 10%, you get **20.8776, 11.7671, 29.8763**, and if you desaturate by 10%, it is **22.9301, 15.5203, 31.6451**.

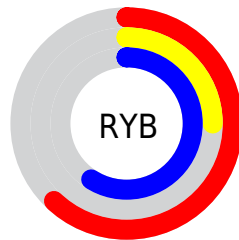
Distribution



Red (62%)

Green (25%)

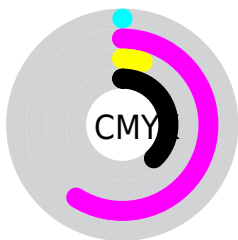
Blue (59%)



Red (62%)

Yellow (25%)

Blue (59%)

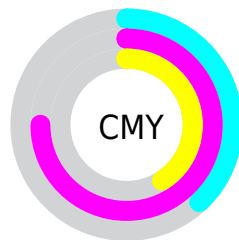


Cyan (0%)

Magenta (59%)

Yellow (5%)

Black (38%)



Cyan (38%)

Magenta (75%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7743, 13.3859, 30.7143 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 21.7743, 13.3859, 30.7143 by changing the saturation by 10% instead.

21.7743, 13.3859,
30.7143

21.7743, 13.3859,
30.7143

254.0199,
213.3763, 319.5303

13.8068, 7.6948,
20.1248

45.8543, 31.9953,
61.8643

8.0672, 3.9003,
12.3008

62.6976, 45.6825,
83.2618

4.1902, 1.6179,
6.8238

83.2301, 62.8038,
109.0990

1.8103, 0.3697,
3.2754

107.8173, 83.7436,
139.7946

0.5238, 0.0000,
1.2369

136.8246,
108.8864, 175.7669

0.0000, 0.0000,
0.0092

170.6172,

0.0000, 0.0000,

138.6165, 217.4346

0.0000

209.5605,
173.3183, 265.2162

■ 21.7743, 13.3859,
30.7143

■ 21.7743, 13.3859,
30.7143

■ 20.8776, 11.7671,
29.8763

■ 22.9301, 15.5203,
31.6451

■ 20.2164, 10.6176,
29.1230

■ 24.3633, 18.2077,
32.6745

■ 19.7652, 9.8861,
28.4458

■ 26.0920, 21.4841,
33.8086

■ 19.4697, 9.4640,
27.8266

■ 28.1324, 25.3820,
35.0530

■ 19.4452, 9.4298,
27.7728

■ 30.4997, 29.9315,
36.4126

■ 33.2079, 35.1607,
37.8922

■ 36.2702, 41.0962,
39.4961

■ 39.6992, 47.7630,
41.2287

■ 43.5069, 55.1850,
43.0938

Harmonies

Analogous

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



17.5634, 13.3859, 48.1615



21.7743, 13.3859, 30.7143



23.4618, 13.3859, 14.5352

Triad

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



21.7743, 13.3859, 30.7143



12.7090, 13.3859, 1.1938



6.6176, 13.3859, 30.8279

Complementary

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



21.7743, 13.3859, 30.7143



15.7813, 26.4017, 10.5685

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.



5.8929, 13.3859, 14.6148



21.7743, 13.3859, 30.7143



8.8651, 13.3859, 1.9395

Square

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



21.7743, 13.3859, 30.7143



17.5335, 13.3859, 1.9291



6.6086, 13.3859, 5.3933



8.8840, 13.3859, 48.2500

Rectangle

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



21.7743, 13.3859, 30.7143



22.6802, 13.3859, 7.6219



6.6086, 13.3859, 5.3933



6.2132, 13.3859, 24.8310

Sweetspot

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



21.7748, 13.3865, 30.7146



50.6892, 46.0451, 62.9571



10.8840, 7.6945, 33.7128



11.1841, 9.9140, 14.0491



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.7748, 13.3865, 30.7146



36.9624, 20.3200, 53.0530



18.6961, 12.1551, 14.5027



6.8798, 6.7448, 8.2181



15.3659, 7.4509, 21.9754



0.2812, 0.1358, 0.4268

Inverse Universe

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



21.7748, 13.3865, 30.7146



36.9624, 20.3200, 53.0530



17.9588, 27.2726, 22.0347



6.8798, 6.7448, 8.2181



15.3659, 7.4509, 21.9754



0.2812, 0.1358, 0.4268

Previews

White Background



This preview shows how the XYZ color 21.7743, 13.3859, 30.7143 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 21.7743, 13.3859, 30.7143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

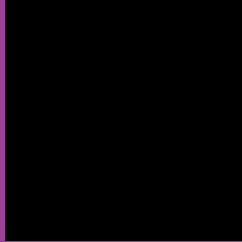
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7743, 13.3859, 30.7143

Background



This preview shows how black text looks on a background with the XYZ color 21.7743, 13.3859, 30.7143.



This preview shows how white text looks on a background with the XYZ color 21.7743, 13.3859,

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

21.7743, 13.3859, 30.7143

Protanopia

15.2474, 13.6500, 46.0871

Deuteranopia

13.8867, 13.6218, 28.6854



Tritanopia

17.7276, 13.4146, 10.8874

Trichromacy



Original Color

21.7743, 13.3859, 30.7143

Protanomaly

16.0144, 12.4660, 40.0902

Deuteranomaly

15.7783, 12.8287, 29.2484

Tritanomaly

18.9713, 13.2851, 16.6033

Monochromacy



Original Color

21.7743, 13.3859, 30.7143

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.1309, 12.7118, 19.4254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7743, 13.3859, 30.7143 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(159, 65, 151)` looks like.

```
.text, #text, p{  
    color:rgb(159, 65, 151)  
}
```

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(159, 65, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 65, 151) }
```

Border

The CSS property to change the border of an element to XYZ 21.7743, 13.3859, 30.7143 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(159, 65, 151) }
```


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

```
.border{ border-color:rgb(159, 65, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 65, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 65, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 65, 151);  
box-shadow:4px 4px 4px 4px rgb(159, 65,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7743, 13.3859, 30.7143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 65, 151) }
```

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

```
.background{ background-color: rgb(159, 65,  
151) }
```

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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