

Converting Colors

XYZ(21.1391, 13.1313, 30.8221)

Have a look what the booklet for
XYZ(21.1391, 13.1313, 30.8221)
contains.

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Color

**XYZ(21.0517, 13.0994,
30.6970)**

Conversions

Conversions Part 1

Format	Color
Hex	9B4297
RGB	155, 66, 151
RGB Percent	61%, 26%, 59%
CMY	0.3922, 0.7412, 0.4078
CMYK	0.00, 0.57, 0.03, 0.39
HSL	303°, 40%, 43%
HSV	303°, 57%, 61%
XYZ	21.0517, 13.0994, 30.6970
YIQ	102.3010, 25.7590, 45.3030

Conversions

Conversions Part 2

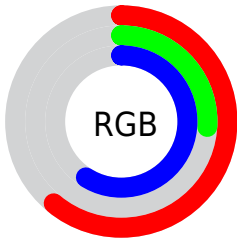
Format	Color
RYB	155, 66, 151
Decimal	10175127
CIELab	42.91, 48.59, -29.57
CIElCh	43, 56.876, 328.676
Yxy	13.0994, 0.3246, 0.2020
Android (android.graphics.Color)	4288365207 (0xFF9B4297)
YUV	102.3010, 24.0086, 46.2170
Hunter-Lab	36.1931, 40.4865, -24.9514

Details

The XYZ color **21.0517, 13.0994, 30.6970** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **15.0742, 25.0437, 9.8346**, and the grayscale version is **12.6430, 13.3014, 14.4852**.

A 20% lighter version of the original color is **44.8888, 31.6469, 62.1351**, and **7.7105, 3.7736, 12.3786** is the 20% darker color. If you saturate the color by 10%, you get **20.2095, 11.5050, 30.1380**, and if you desaturate by 10%, it is **22.1405, 15.1859, 31.3401**.

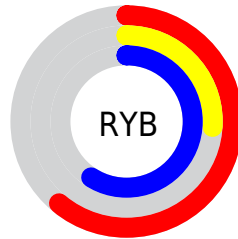
Distribution



Red (61%)

Green (26%)

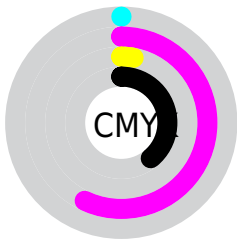
Blue (59%)



Red (61%)

Yellow (26%)

Blue (59%)

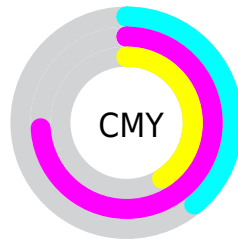


Cyan (0%)

Magenta (57%)

Yellow (3%)

Black (39%)



Cyan (39%)

Magenta (74%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0517, 13.0994, 30.6970 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 21.0517, 13.0994, 30.6970 by changing the saturation by 10% instead.

■ 21.0517, 13.0994,
30.6970

■ 21.0517, 13.0994,
30.6970

250.2796,
211.5537, 319.4478

■ 13.2745, 7.4970,
20.1117

■ 44.6642, 31.4822,
61.8367

■ 7.6961, 3.7748,
12.2914

■ 61.2302, 45.0315,
83.2282

■ 3.9513, 1.5484,
6.8175

■ 81.4564, 61.9985,
109.0588

■ 1.6746, 0.3224,
3.2715

■ 105.7084, 82.7677,
139.7471

■ 0.4403, 0.0000,
1.2349

■ 134.3513,
107.7234, 175.7116

■ 0.0000, 0.0000,
0.0075

167.7506,

■ 0.0000, 0.0000,

137.2500, 217.3708

0.0000

206.2716,
171.7320, 265.1434

■ 21.0517, 13.0994,
30.6970

■ 21.0517, 13.0994,
30.6970

■ 20.2095, 11.5050,
30.1380

■ 22.1405, 15.1859,
31.3401

■ 19.5923, 10.3603,
29.6555

■ 23.4927, 17.7989,
32.0725

■ 19.1769, 9.6187,
29.2420

■ 25.1250, 20.9716,
32.8999

■ 18.9234, 9.2005,
28.8841

■ 27.0526, 24.7343,
33.8274

■ 18.8657, 9.1078,
28.7944

■ 29.2893, 29.1148,
34.8597

■ 31.8484, 34.1393,
36.0010

■ 34.7420, 39.8325,
37.2555

■ 37.9819, 46.2177,
38.6272

■ 41.5792, 53.3171,
40.1196

Harmonies

Analogous

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



16.9119, 13.0994, 47.3019



21.0517, 13.0994, 30.6970



22.8269, 13.0994, 14.8239

Triad

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



21.0517, 13.0994, 30.6970



12.6449, 13.0994, 1.2167



6.4586, 13.0994, 29.1259

Complementary

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



21.0517, 13.0994, 30.6970



15.0742, 25.0437, 9.8346

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.



5.8199, 13.0994, 13.7164



21.0517, 13.0994, 30.6970



8.8521, 13.0994, 1.8779

Square

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



21.0517, 13.0994, 30.6970



17.3260, 13.0994, 2.0249



6.5842, 13.0994, 5.0811



8.5881, 13.0994, 46.0812

Rectangle

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



21.0517, 13.0994, 30.6970



22.1767, 13.0994, 7.8843



6.5842, 13.0994, 5.0811



6.0878, 13.0994, 23.3930

Sweetspot

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



21.0522, 13.1000, 30.6973



48.4795, 44.3580, 60.5956



10.3172, 7.5277, 31.9200



10.8197, 9.7404, 13.6431



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.0522, 13.1000, 30.6973



35.8289, 19.9236, 53.7066



18.1484, 11.9385, 15.4061



6.4492, 6.3188, 7.7457



15.1567, 7.3169, 23.1478



0.2298, 0.1107, 0.3628

Inverse Universe

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



21.0522, 13.1000, 30.6973



35.8289, 19.9236, 53.7066



16.9757, 25.8042, 19.8477



6.4492, 6.3188, 7.7457



15.1567, 7.3169, 23.1478



0.2298, 0.1107, 0.3628

Previews

White Background



This preview shows how the XYZ color 21.0517, 13.0994, 30.6970 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 21.0517, 13.0994, 30.6970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

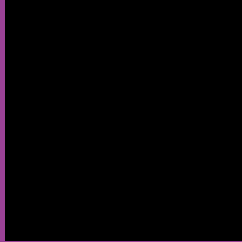
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0517, 13.0994, 30.6970

Background



This preview shows how black text looks on a background with the XYZ color 21.0517, 13.0994, 30.6970.



This preview shows how white text looks on a background with the XYZ color 21.0517, 13.0994,

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

21.0517, 13.0994, 30.6970

Protanopia

14.8144, 13.3090, 44.9681

Deuteranopia

13.6023, 13.3301, 28.6441



Tritanopia

17.1092, 13.2037, 11.0980

Trichromacy



Original Color

21.0517, 13.0994, 30.6970

Protanomaly

15.4994, 12.2223, 39.0784

Deuteranomaly

15.3117, 12.4655, 29.2028

Tritanomaly

18.3410, 13.0569, 16.8828

Monochromacy



Original Color

21.0517, 13.0994, 30.6970

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.8477, 12.5658, 19.4122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0517, 13.0994, 30.6970 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(155, 66, 151)` looks like.

```
.text, #text, p{  
    color:rgb(155, 66, 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(155, 66, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 66, 151) }
```

Border

The CSS property to change the border of an element to XYZ 21.0517, 13.0994, 30.6970 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(155, 66, 151) }
```


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

```
.border{ border-color:rgb(155, 66, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 66, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 66, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 66, 151);  
box-shadow:4px 4px 4px 4px rgb(155, 66,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0517, 13.0994, 30.6970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 66, 151) }
```

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

```
.background{ background-color: rgb(155, 66,  
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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