

Converting Colors

XYZ(20.8368, 11.6721, 37.6191)

Have a look what the booklet for
XYZ(20.8368, 11.6721, 37.6191)
contains.

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Color

**XYZ(20.9214, 11.7370,
37.7220)**

Conversions

Conversions Part 1

Format	Color
Hex	9733A7
RGB	151, 51, 167
RGB Percent	59%, 20%, 65%
CMY	0.4078, 0.8000, 0.3451
CMYK	0.10, 0.69, 0.00, 0.35
HSL	292°, 53%, 43%
HSV	292°, 69%, 65%
XYZ	20.9214, 11.7370, 37.7220
YIQ	94.1240, 22.3640, 57.2760

Conversions

Conversions Part 2

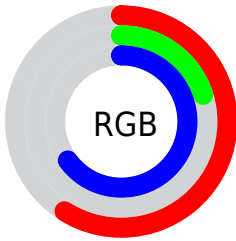
Format	Color
RYB	151, 51, 167
Decimal	9909159
CIELab	40.80, 57.09, -42.54
CIELCh	41, 71.197, 323.305
Yxy	11.7370, 0.2973, 0.1668
Android (android.graphics.Color)	4288099239 (0xFF9733A7)
YUV	94.1240, 35.9279, 49.8803
Hunter-Lab	34.2593, 49.0522, -41.3011

Details

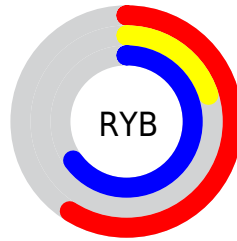
The XYZ color **20.9214, 11.7370, 37.7220** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.7314, 29.0700, 7.8617**, and the grayscale version is **10.5832, 11.1344, 12.1253**.

A 20% lighter version of the original color is **44.4857, 29.0457, 73.0738**, and **7.8611, 3.7017, 16.2198** is the 20% darker color. If you saturate the color by 10%, you get **19.8953, 10.3128, 37.5014**, and if you desaturate by 10%, it is **22.2189, 13.6906, 38.0309**.

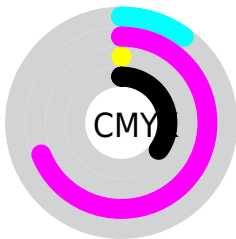
Distribution



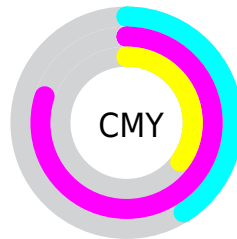
- Red (59%)
- Green (20%)
- Blue (65%)



- Red (59%)
- Yellow (20%)
- Blue (65%)



- Cyan (10%)
- Magenta (69%)
- Yellow (0%)
- Black (35%)





- Cyan (41%)
- Magenta (80%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9214, 11.7370, 37.7220 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 20.9214, 11.7370, 37.7220 by changing the saturation by 10% instead.

 20.9214, 11.7370,
37.7220


 20.9214, 11.7370,
37.7220

249.6001,
202.6563, 351.6883


 13.1787, 6.5649,
25.4668


 44.4489, 29.0152,
72.8805

 7.6296, 3.1915,
16.2030


 60.9645, 41.8900,
96.6210


 3.9086, 1.2325,
9.5120


 81.1350, 58.1012,
125.0269

 1.6506, 0.0880,
4.9753

 105.3259, 78.0332,
158.5169

 0.4250, 0.0000,
2.1743

 133.9025,
102.0702, 197.5095

 0.0000, 0.0000,
0.6595

 167.2302,

 0.0000, 0.0000,

130.5969, 242.4233

0.0000

205.6743,
163.9974, 293.6767

■ 20.9214, 11.7370,
37.7220

■ 20.9214, 11.7370,
37.7220

■ 19.8953, 10.3128,
37.5014

■ 22.2189, 13.6906,
38.0309

■ 19.1094, 9.3572,
37.3583

■ 23.8115, 16.2225,
38.4356

■ 18.5025, 8.7472,
37.2726

■ 25.7221, 19.3778,
38.9440

■ 18.4709, 8.7163,
37.2683

■ 27.9707, 23.1966,
39.5626

■ 30.5759, 27.7158,
40.2975

■ 33.5546, 32.9693,
41.1546

■ 36.9229, 38.9891,
42.1390

■ 40.6957, 45.8052,
43.2558

■ 44.8872, 53.4458,
44.5096

Harmonies

Analogous

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



15.4664, 11.7370, 59.2812



20.9214, 11.7370, 37.7220



23.8836, 11.7370, 16.3129

Triad

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



20.9214, 11.7370, 37.7220



12.3294, 11.7370, 0.0000



4.3916, 11.7370, 27.2839

Complementary

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



20.9214, 11.7370, 37.7220



16.7314, 29.0700, 7.8617

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.



4.0122, 11.7370, 9.7973



20.9214, 11.7370, 37.7220



7.7311, 11.7370, 0.3459

Square

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



20.9214, 11.7370, 37.7220



18.0412, 11.7370, 0.9263



5.0298, 11.7370, 2.3114



6.2917, 11.7370, 50.6932

Rectangle

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



20.9214, 11.7370, 37.7220



23.5614, 11.7370, 7.3782



5.0298, 11.7370, 2.3114



4.1116, 11.7370, 20.3276

Sweetspot

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



20.9219, 11.7375, 37.7223



53.8117, 47.9815, 71.9005



10.4321, 7.6772, 37.4914



11.7590, 10.2448, 16.0098



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.



20.9219, 11.7375, 37.7223



34.8710, 17.5086, 67.0169



20.9123, 12.1003, 21.1082



7.7387, 7.6134, 9.4800



14.1646, 6.6855, 28.5194



0.3716, 0.1766, 0.6951

Inverse Universe

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



18.1336, 10.9888, 6.4760



30.0581, 16.3712, 6.0845



17.0987, 29.1073, 14.7515



7.5717, 7.5585, 8.0617



12.3245, 6.3385, 1.2545



0.3121, 0.1591, 0.0951

Previews

White Background



This preview shows how the XYZ color 20.9214, 11.7370, 37.7220 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

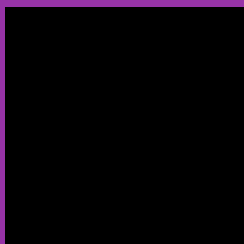
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9214, 11.7370, 37.7220

Background



This preview shows how black text looks on a background with the XYZ color 20.9214, 11.7370, 37.7220.

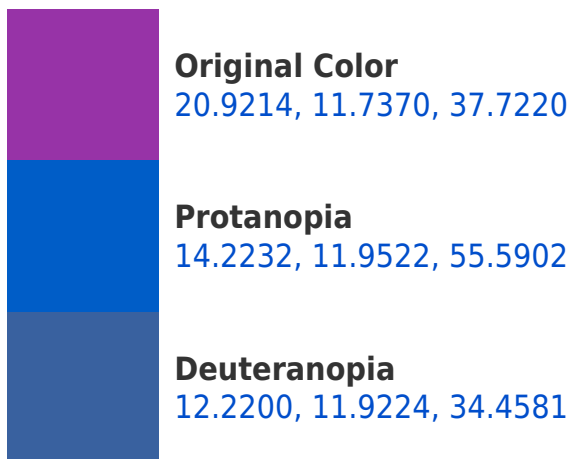


This preview shows how white text looks on a background with the XYZ color 20.9214, 11.7370,

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





Tritanopia

15.1398, 11.6643, 9.8410

Trichromacy



Original Color

20.9214, 11.7370, 37.7220

Protanomaly

13.2696, 9.8489, 48.2153

Deuteranomaly

13.7046, 10.5701, 35.5003

Tritanomaly

16.6060, 11.2784, 17.2213

Monochromacy



Original Color

20.9214, 11.7370, 37.7220

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.2458, 10.4741, 19.4127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9214, 11.7370, 37.7220 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, 51, 167)` looks like.

```
.text, #text, p{  
    color:rgb(151, 51, 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, 51, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 51, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.9214, 11.7370, 37.7220 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, 51, 167) }
```


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

```
.border{ border-color:rgb(151, 51, 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, 51, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 51, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 51, 167);  
box-shadow:4px 4px 4px 4px rgb(151, 51,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9214, 11.7370, 37.7220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 51, 167) }
```

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

```
.background{ background-color: rgb(151, 51,  
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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