

Converting Colors

XYZ(22.2182, 11.8668, 22.5976)

Have a look what the booklet for
XYZ(22.2182, 11.8668, 22.5976)
contains.

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Color

**XYZ(22.1533, 11.8394,
22.5904)**

Conversions

Conversions Part 1

Format	Color
Hex	AE2383
RGB	174, 35, 131
RGB Percent	68%, 14%, 51%
CMY	0.3176, 0.8627, 0.4863
CMYK	0.00, 0.80, 0.25, 0.32
HSL	319°, 66%, 41%
HSV	319°, 80%, 68%
XYZ	22.1533, 11.8394, 22.5904
YIQ	87.5050, 52.0280, 59.3240

Conversions

Conversions Part 2

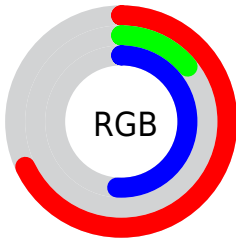
Format	Color
R_{YB}	174, 35, 131
Decimal	11412355
CIE _{Lab}	40.96, 62.19, -20.19
CIE _{LCh}	41, 65.387, 342.011
Yxy	11.8394, 0.3915, 0.2092
Android (android.graphics.Color)	4289602435 (0xFFAE2383)
YUV	87.5050, 21.4430, 75.8561
Hunter-Lab	34.4084, 54.7095, -14.8402

Details

The XYZ color **22.1533, 11.8394, 22.5904** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **17.2050, 31.1799, 12.3210**, and the grayscale version is **9.1163, 9.5910, 10.4446**.

A 20% lighter version of the original color is **46.4389, 29.1501, 48.5263**, and **8.8213, 4.3760, 8.1643** is the 20% darker color. If you saturate the color by 10%, you get **21.4069, 10.9153, 20.5880**, and if you desaturate by 10%, it is **23.1732, 13.2799, 24.7776**.

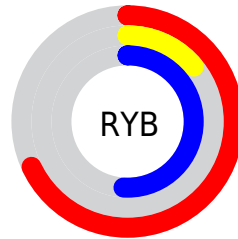
Distribution



Red (68%)

Green (14%)

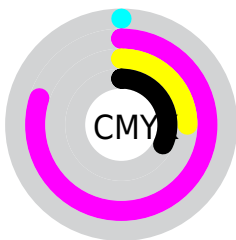
Blue (51%)



Red (68%)

Yellow (14%)

Blue (51%)

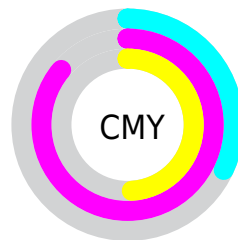


Cyan (0%)

Magenta (80%)

Yellow (25%)

Black (32%)



Cyan (32%)

Magenta (86%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1533, 11.8394, 22.5904 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 22.1533, 11.8394, 22.5904 by changing the saturation by 10% instead.

■ 22.1533, 11.8394,
22.5904

■ 22.1533, 11.8394,
22.5904

255.9631,
203.3392, 278.6676

■ 14.0868, 6.6344,
14.0889

■ 46.4762, 29.2023,
48.6345

■ 8.2632, 3.2345,
8.0431

■ 63.4633, 42.1289,
67.0142

■ 4.3170, 1.2554,
4.0344

■ 84.1547, 58.3983,
89.5238

■ 1.8830, 0.1062,
1.6442

■ 108.9158, 78.3947,
116.5816

■ 0.5669, 0.0000,
0.3221

■ 138.1118,
102.5026, 148.6064

■ 0.0000, 0.0000,
0.0000

■ 172.1081,

131.1064, 186.0166

211.2701,
164.5905, 229.2309

■ 22.1533, 11.8394,
22.5904

■ 22.1533, 11.8394,
22.5904

■ 21.4069, 10.9153,
20.5880

■ 23.1732, 13.2799,
24.7776

■ 20.8623, 10.3650,
18.7450

■ 24.4988, 15.3012,
27.1616

■ 20.8561, 10.3589,
18.7235

■ 26.1590, 17.9603,
29.7533

■ 28.1787, 21.3070,
32.5625

■ 30.5806, 25.3858,
35.5979

■ 33.3853, 30.2378,
38.8678

■ 36.6120, 35.9009,
42.3797

■ 40.2785, 42.4104,
46.1408

■ 44.4017, 49.7996,
50.1579

Harmonies

Analogous

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



18.4066, 11.8394, 43.0484



22.1533, 11.8394, 22.5904



22.5367, 11.8394, 8.2408

Triad

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



22.1533, 11.8394, 22.5904



9.4838, 11.8394, 0.4660



5.8074, 11.8394, 38.9442

Complementary

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



22.1533, 11.8394, 22.5904



17.2050, 31.1799, 12.3210

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.



4.5509, 11.8394, 19.0263



22.1533, 11.8394, 22.5904



6.2445, 11.8394, 1.6631

Square

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



22.1533, 11.8394, 22.5904



14.2643, 11.8394, 0.5894



4.6849, 11.8394, 6.4621



8.6985, 11.8394, 56.1640

Rectangle

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



22.1533, 11.8394, 22.5904



20.7280, 11.8394, 3.4925



4.6849, 11.8394, 6.4621



5.2213, 11.8394, 31.9243

Sweetspot

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



22.1537, 11.8400, 22.5906



58.1524, 50.6697, 67.7528



11.2783, 5.8242, 40.5743



12.5369, 10.5920, 14.6019



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.1537, 11.8400, 22.5906



38.0669, 19.0421, 34.7193



18.9488, 10.5580, 5.7137



8.2300, 8.1052, 9.5219



15.1545, 7.5244, 13.7250



0.4446, 0.2185, 0.5031

Inverse Universe

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



22.1537, 11.8400, 22.5906



38.0669, 19.0421, 34.7193



21.0336, 32.7113, 32.4819



8.2300, 8.1052, 9.5219



15.1545, 7.5244, 13.7250



0.4446, 0.2185, 0.5031

Previews

White Background



This preview shows how the XYZ color 22.1533, 11.8394, 22.5904 looks on a white background.

Color Contrast Check

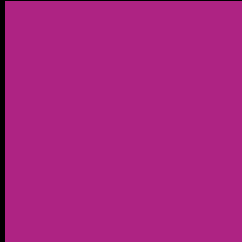
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1533, 11.8394, 22.5904 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 22.1533, 11.8394, 22.5904

Background



This preview shows how black text looks on a background with the XYZ color 22.1533, 11.8394, 22.5904.



This preview shows how white text looks on a background with the XYZ color 22.1533, 11.8394,

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

22.1533, 11.8394, 22.5904

Protanopia

13.7729, 12.2583, 43.2351

Deuteranopia

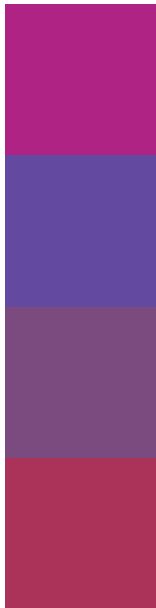
12.3741, 12.1755, 20.4368



Tritanopia

18.8234, 11.9218, 6.0117

Trichromacy



Original Color

22.1533, 11.8394, 22.5904

Protanomaly

13.9832, 10.0125, 34.4533

Deuteranomaly

14.3831, 10.6149, 21.0295

Tritanomaly

19.6966, 11.6437, 10.4419

Monochromacy



Original Color

22.1533, 11.8394, 22.5904

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

12.2346, 9.1777, 14.2233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1533, 11.8394, 22.5904 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(174, 35, 131)` looks like.

```
.text, #text, p{  
    color:rgb(174, 35, 131)  
}
```

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(174, 35, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 35, 131) }
```

Border

The CSS property to change the border of an element to XYZ 22.1533, 11.8394, 22.5904 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(174, 35, 131) }
```


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

```
.border{ border-color:rgb(174, 35, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 35, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 35, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 35, 131);  
box-shadow:4px 4px 4px 4px rgb(174, 35,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1533, 11.8394, 22.5904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 35, 131) }
```

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

```
.background{ background-color: rgb(174, 35,  
131) }
```

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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