

Converting Colors

XYZ(30.2369, 13.8992, 21.8207)

Have a look what the booklet for
XYZ(30.2369, 13.8992, 21.8207)
contains.

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Color

**XYZ(31.1138, 15.5820,
22.1366)**

Conversions

Conversions Part 1

Format	Color
Hex	D40081
RGB	212, 0, 129
RGB Percent	83%, 0%, 51%
CMY	0.1686, 0.9998, 0.4941
CMYK	0.00, 1.00, 0.39, 0.17
HSL	323°, 100%, 42%
HSV	323°, 100%, 83%
XYZ	31.1138, 15.5820, 22.1366
YIQ	78.0940, 84.9430, 85.0630

Conversions

Conversions Part 2

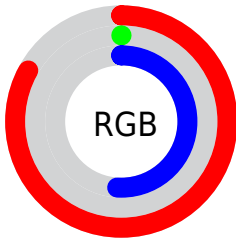
Format	Color
R_{YB}	212, 0, 129
Decimal	13893761
CIE _{Lab}	46.42, 75.54, -9.98
CIE _{LCh}	46, 76.194, 352.475
Yxy	15.5820, 0.4520, 0.2264
Android (android.graphics.Color)	4292083841 (0xFFD40081)
YUV	78.0940, 25.0967, 117.4356
Hunter-Lab	39.4740, 71.6158, -5.6173

Details

The XYZ color **31.1138, 15.5820, 22.1366** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **25.1068, 47.7123, 16.0779**, and the grayscale version is **7.2063, 7.5816, 8.2564**.

A 20% lighter version of the original color is **53.4246, 32.1196, 47.6399**, and **14.2105, 7.1585, 8.2222** is the 20% darker color. If you saturate the color by 10%, you get **31.1128, 15.5816, 22.1312**, and if you desaturate by 10%, it is **31.9610, 16.3571, 25.2533**.

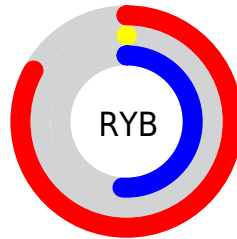
Distribution



Red (83%)

Green (0%)

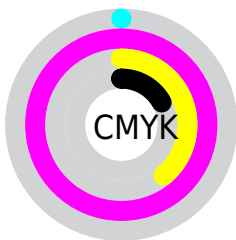
Blue (51%)



Red (83%)

Yellow (0%)

Blue (51%)

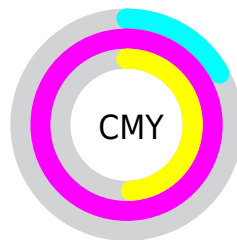


Cyan (0%)

Magenta (100%)

Yellow (39%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1138, 15.5820, 22.1366 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 31.1138, 15.5820, 22.1366 by changing the saturation by 10% instead.


 31.1138, 15.5820,
22.1366


 31.1138, 15.5820,
22.1366

298.8798,
226.8624, 276.2355


 20.8378, 9.2289,
13.7580


 60.7938, 35.8710,
47.8767


 13.1173, 4.8908,
7.8157


 80.9285, 50.5756,
66.0754


 7.5869, 2.1833,
3.8912


 105.0801, 68.8329,
88.3845

 3.8813, 0.7109,
1.5658

 133.6141, 91.0272,
115.2226

 1.6352, 0.0000,
0.2663

 166.8956,
117.5429, 147.0082

 0.4152, 0.0000,
0.0000

 205.2902,

 0.0000, 0.0000,

148.7644, 184.1599

0.0000

249.1631,
185.0761, 227.0961

■ 31.1138, 15.5820,
22.1366

■ 31.1138, 15.5820,
22.1366

■ 31.1128, 15.5816,
22.1312

■ 31.9610, 16.3571,
25.2533

■ 33.1525, 17.7474,
28.7109

■ 34.7893, 19.9533,
32.5481

■ 36.9272, 23.0849,
36.7882

■ 39.6134, 27.2349,
41.4516

■ 42.8892, 32.4849,
46.5566

■ 46.7920, 38.9078,
52.1198

■ 51.3558, 46.5706,
58.1570

■ 56.6122, 55.5349,
64.6827

Harmonies

Analogous

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



27.1979, 15.5820, 49.7411



31.1138, 15.5820, 22.1366



29.7446, 15.5820, 6.5829

Triad

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



31.1138, 15.5820, 22.1366



10.5023, 15.5820, 0.6733



8.3922, 15.5820, 64.5938

Complementary

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



31.1138, 15.5820, 22.1366



25.1068, 47.7123, 16.0779

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.



5.9607, 15.5820, 34.8055



31.1138, 15.5820, 22.1366



6.9048, 15.5820, 3.1216

Square

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



31.1138, 15.5820, 22.1366



16.5200, 15.5820, 0.3146



5.5107, 15.5820, 12.6709



13.2227, 15.5820, 83.6302

Rectangle

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



31.1138, 15.5820, 22.1366



26.1640, 15.5820, 2.4123



5.5107, 15.5820, 12.6709



7.3333, 15.5820, 54.7852

Sweetspot

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



31.1143, 15.5829, 22.1368



70.8567, 58.7388, 78.8687



15.3025, 6.5166, 62.7386



14.6030, 11.6404, 16.0942



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.1143, 15.5829, 22.1368



47.1687, 23.6315, 33.1501



27.3248, 14.0671, 2.1817



12.7375, 12.5465, 14.5577



19.2580, 9.6395, 13.9285



1.2017, 0.5975, 1.0514

Inverse Universe

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



31.1143, 15.5829, 22.1368



47.1687, 23.6315, 33.1501



32.5427, 50.6867, 55.2345



12.7375, 12.5465, 14.5577



19.2580, 9.6395, 13.9285



1.2017, 0.5975, 1.0514

Previews

White Background



This preview shows how the XYZ color 31.1138, 15.5820, 22.1366 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 31.1138, 15.5820, 22.1366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

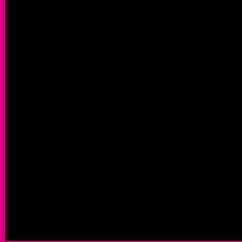
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.1138, 15.5820, 22.1366

Background



This preview shows how black text looks on a background with the XYZ color 31.1138, 15.5820, 22.1366.



This preview shows how white text looks on a background with the XYZ color 31.1138, 15.5820,

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

31.1138, 15.5820, 22.1366

Protanopia

17.8126, 16.4485, 48.1350

Deuteranopia

16.4666, 16.2153, 20.0313



Tritanopia

27.8389, 16.0346, 4.9959

Trichromacy



Original Color

31.1138, 15.5820, 22.1366



Protanomaly

18.0350, 11.7641, 36.9175



Deuteranomaly

18.8401, 12.4586, 20.1507



Tritanomaly

28.2962, 15.1824, 9.2237

Monochromacy



Original Color

31.1138, 15.5820, 22.1366



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.0507, 7.6563, 12.1519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1138, 15.5820, 22.1366 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(212, 0, 129)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 129)  
}
```

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(212, 0, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 129) }
```

Border

The CSS property to change the border of an element to XYZ 31.1138, 15.5820, 22.1366 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(212, 0, 129) }
```


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

```
.border{ border-color:rgb(212, 0, 129) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 129);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1138, 15.5820, 22.1366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 129) }
```

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

```
.background{ background-color: rgb(212, 0,  
129) }
```

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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