

Converting Colors

XYZ(22.2255, 11.6493, 21.2212)

Have a look what the booklet for
XYZ(22.2255, 11.6493, 21.2212)
contains.

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Color

**XYZ(22.1746, 11.6411,
21.1569)**

Conversions

Conversions Part 1

Format	Color
Hex	B01D7F
RGB	176, 29, 127
RGB Percent	69%, 11%, 50%
CMY	0.3098, 0.8862, 0.5020
CMYK	0.00, 0.84, 0.28, 0.31
HSL	320°, 72%, 40%
HSV	320°, 84%, 69%
XYZ	22.1746, 11.6411, 21.1569
YIQ	84.1250, 56.1540, 61.6420

Conversions

Conversions Part 2

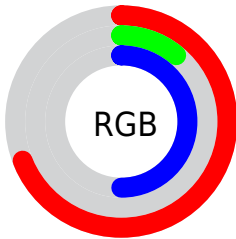
Format	Color
R _Y B	176, 29, 127
Decimal	11541887
CIE Lab	40.64, 63.67, -18.19
CIE LCh	41, 66.214, 344.059
Yxy	11.6411, 0.4034, 0.2118
Android (android.graphics.Color)	4289731967 (0xFFB01D7F)
YUV	84.1250, 21.1374, 80.5744
Hunter-Lab	34.1191, 56.3021, -12.8818

Details

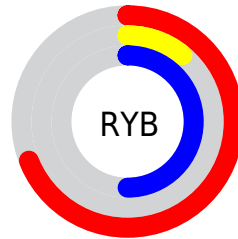
The XYZ color **22.1746, 11.6411, 21.1569** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.4079, 31.8623, 12.4424**, and the grayscale version is **8.4034, 8.8410, 9.6278**.

A 20% lighter version of the original color is **46.4135, 28.7862, 46.2900**, and **8.9829, 4.4720, 7.5975** is the 20% darker color. If you saturate the color by 10%, you get **21.4884, 10.8628, 19.0962**, and if you desaturate by 10%, it is **23.1301, 12.9220, 23.4174**.

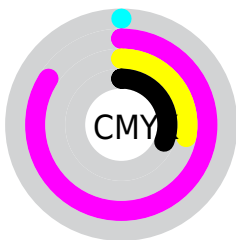
Distribution



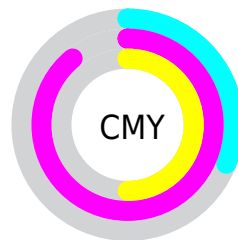
- Red (69%)
- Green (11%)
- Blue (50%)



- Red (69%)
- Yellow (11%)
- Blue (50%)



- Cyan (0%)
- Magenta (84%)
- Yellow (28%)
- Black (31%)



- Cyan (31%)
- Magenta (89%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1746, 11.6411, 21.1569 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 22.1746, 11.6411, 21.1569 by changing the saturation by 10% instead.

■ 22.1746, 11.6411,
21.1569

■ 22.1746, 11.6411,
21.1569

256.0720,
202.0146, 270.9195

■ 14.1026, 6.4998,
13.0464

■ 46.5111, 28.8397,
46.2327

■ 8.2742, 3.1513,
7.3294

■ 63.5063, 41.6658,
64.0350

■ 4.3242, 1.2112,
3.5874

■ 84.2066, 57.8224,
85.9051

■ 1.8871, 0.0708,
1.4018

■ 108.9773, 77.6936,
112.2613

■ 0.5693, 0.0000,
0.1431

■ 138.1839,
101.6641, 143.5224

■ 0.0000, 0.0000,
0.0000

■ 172.1916,

130.1182, 180.1067

211.3659,
163.4402, 222.4329

■ 22.1746, 11.6411,
21.1569

■ 22.1746, 11.6411,
21.1569

■ 21.4884, 10.8628,
19.0962

■ 23.1301, 12.9220,
23.4174

■ 21.1348, 10.5222,
17.8483

■ 24.3907, 14.7771,
25.8912

■ 25.9878, 17.2684,
28.5907

■ 27.9483, 20.4491,
31.5265

■ 30.2964, 24.3670,
34.7083

■ 33.0540, 29.0657,
38.1452

■ 36.2415, 34.5850,
41.8454

■ 39.8778, 40.9624,
45.8170

■ 43.9806, 48.2329,
50.0674

Harmonies

Analogous

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



18.5798, 11.6411, 41.6975



22.1746, 11.6411, 21.1569



22.2965, 11.6411, 7.3870

Triad

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



22.1746, 11.6411, 21.1569



9.0185, 11.6411, 0.4082



5.7740, 11.6411, 40.3868

Complementary

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



22.1746, 11.6411, 21.1569



17.4079, 31.8623, 12.4424

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.



4.4277, 11.6411, 20.0265



22.1746, 11.6411, 21.1569



5.9106, 11.6411, 1.7087

Square

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



22.1746, 11.6411, 21.1569



13.7258, 11.6411, 0.4475



4.4693, 11.6411, 6.8308



8.7716, 11.6411, 57.1420

Rectangle

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



22.1746, 11.6411, 21.1569



20.3241, 11.6411, 3.0248



4.4693, 11.6411, 6.8308



5.1565, 11.6411, 33.2918

Sweetspot

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



22.1750, 11.6417, 21.1571



58.9287, 50.9648, 67.9484



11.4186, 5.6339, 41.5600



12.3919, 10.3977, 14.2581



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.



22.1750, 11.6417, 21.1571



38.2222, 19.0401, 31.7951



18.9986, 10.3712, 4.4304



8.7272, 8.5976, 10.0618



15.5350, 7.7315, 13.2430



0.5145, 0.2536, 0.5521

Inverse Universe

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



22.1750, 11.6417, 21.1571



38.2222, 19.0401, 31.7951



21.6592, 33.5628, 34.8291



8.7272, 8.5976, 10.0618



15.5350, 7.7315, 13.2430



0.5145, 0.2536, 0.5521

Previews

White Background



This preview shows how the XYZ color 22.1746, 11.6411, 21.1569 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 22.1746, 11.6411, 21.1569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

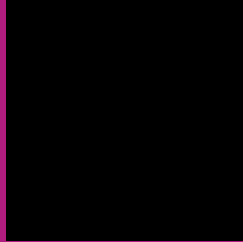
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1746, 11.6411, 21.1569

Background



This preview shows how black text looks on a background with the XYZ color 22.1746, 11.6411, 21.1569.



This preview shows how white text looks on a background with the XYZ color 22.1746, 11.6411,

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

22.1746, 11.6411, 21.1569

Protanopia

13.6337, 12.2094, 42.1955

Deuteranopia

12.1413, 11.9492, 19.1193



Tritanopia

18.9982, 11.8020, 5.4144

Trichromacy



Original Color

22.1746, 11.6411, 21.1569

Protanomaly

13.9043, 9.7999, 33.5065

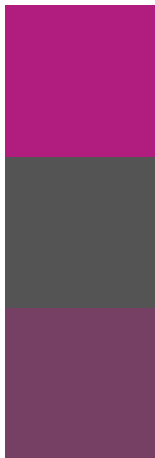
Deuteranomaly

14.0783, 10.1967, 19.6385

Tritanomaly

19.8108, 11.4783, 9.5589

Monochromacy



Original Color

22.1746, 11.6411, 21.1569

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

11.4698, 8.3688, 13.0674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1746, 11.6411, 21.1569 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(176, 29, 127)` looks like.

```
.text, #text, p{  
    color:rgb(176, 29, 127)  
}
```

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(176, 29, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 29, 127) }
```

Border

The CSS property to change the border of an element to XYZ 22.1746, 11.6411, 21.1569 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(176, 29, 127) }
```


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

```
.border{ border-color:rgb(176, 29, 127) }
```

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

Here you see how a box with a 4 pixel rgb(176, 29, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 29, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 29, 127);  
box-shadow:4px 4px 4px 4px rgb(176, 29,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1746, 11.6411, 21.1569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 29, 127) }
```

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

```
.background{ background-color: rgb(176, 29,  
127) }
```

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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