

Converting Colors

XYZ(22.4427, 11.1798, 18.6647)

Have a look what the booklet for
XYZ(22.4427, 11.1798, 18.6647)
contains.

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Color

**XYZ(22.4462, 11.1798,
18.7442)**

Conversions

Conversions Part 1

Format	Color
Hex	B50078
RGB	181, 0, 120
RGB Percent	71%, 0%, 47%
CMY	0.2902, 0.9999, 0.5294
CMYK	0.00, 1.00, 0.34, 0.29
HSL	320°, 100%, 35%
HSV	320°, 100%, 71%
XYZ	22.4462, 11.1798, 18.7442
YIQ	67.7990, 69.3560, 75.6920

Conversions

Conversions Part 2

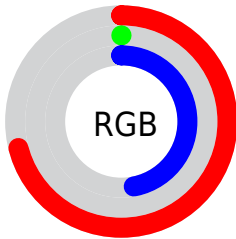
Format	Color
R_{YB}	181, 0, 120
Decimal	11862136
CIE _{Lab}	39.88, 68.19, -14.91
CIE _{LCh}	40, 69.799, 347.665
Yxy	11.1798, 0.4286, 0.2135
Android (android.graphics.Color)	4290052216 (0xFFB50078)
YUV	67.7990, 25.7351, 99.2773
Hunter-Lab	33.4362, 61.3162, -9.8324

Details

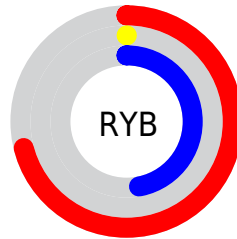
The XYZ color **22.4462, 11.1798, 18.7442** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.3673, 33.3851, 9.9473**, and the grayscale version is **5.4169, 5.6990, 6.2063**.

A 20% lighter version of the original color is **46.8923, 28.0200, 41.9666**, and **9.3057, 4.6659, 6.3714** is the 20% darker color. If you saturate the color by 10%, you get **22.4457, 11.1796, 18.7413**, and if you desaturate by 10%, it is **23.0469, 11.7695, 20.8300**.

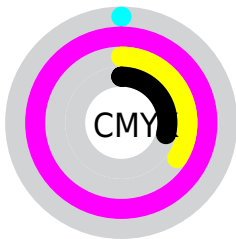
Distribution



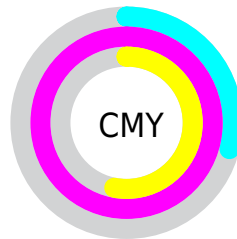
- Red (71%)
- Green (0%)
- Blue (47%)



- Red (71%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4462, 11.1798, 18.7442 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 22.4462, 11.1798, 18.7442 by changing the saturation by 10% instead.

■ 22.4462, 11.1798,
18.7442

■ 22.4462, 11.1798,
18.7442

257.4565,
198.8970, 257.4084

■ 14.3036, 6.1879,
11.3107

■ 46.9558, 27.9922,
42.1323

■ 8.4152, 2.9597,
6.1594

■ 64.0534, 40.5814,
58.9240

■ 4.4158, 1.1107,
2.8719

■ 84.8667, 56.4719,
79.6721

■ 1.9399, 0.0000,
1.0296

■ 109.7611, 76.0481,
104.7952

■ 0.5999, 0.0000,
0.0000

■ 139.1019, 99.6943,
134.7119

■ 0.0000, 0.0000,
0.0000

■ 173.2545,

127.7949, 169.8406

212.5842,
160.7343, 210.5999

■ 22.4462, 11.1798,
18.7442

■ 22.4462, 11.1798,
18.7442

■ 22.4457, 11.1796,
18.7413

■ 23.0469, 11.7695,
20.8300

■ 23.8725, 12.7708,
23.1092

■ 24.9999, 14.3364,
25.6095

■ 26.4661, 16.5399,
28.3453

■ 28.3026, 19.4437,
31.3290

■ 30.5372, 23.1026,
34.5718

■ 33.1949, 27.5660,
38.0839

■ 36.2985, 32.8792,
41.8746

■ 39.8692, 39.0839,
45.9529

Harmonies

Analogous

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



19.0219, 11.1798, 40.0962



22.4462, 11.1798, 18.7442



22.0821, 11.1798, 5.7803

Triad

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



22.4462, 11.1798, 18.7442



8.0621, 11.1798, 0.1576



5.5400, 11.1798, 44.0724

Complementary

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



22.4462, 11.1798, 18.7442



17.3673, 33.3851, 9.9473

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.



4.0307, 11.1798, 22.0953



22.4462, 11.1798, 18.7442



5.1557, 11.1798, 1.6349

Square

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



22.4462, 11.1798, 18.7442



12.7241, 11.1798, 0.0401



3.9153, 11.1798, 7.3508



8.7723, 11.1798, 60.6242

Rectangle

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



22.4462, 11.1798, 18.7442



19.7441, 11.1798, 2.1073



3.9153, 11.1798, 7.3508



4.8628, 11.1798, 36.5507

Sweetspot

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



22.4465, 11.1804, 18.7444



59.1864, 48.9209, 67.8706



10.2256, 4.3084, 44.0087



12.3490, 9.8253, 14.0950



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.4465, 11.1804, 18.7444



40.0896, 19.9784, 32.9850



19.2931, 9.9191, 2.1387



8.7258, 8.5971, 10.0547



15.5069, 7.7203, 13.0953



0.5138, 0.2533, 0.5482

Inverse Universe

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



22.4465, 11.1804, 18.7444



40.0896, 19.9784, 32.9850



22.0970, 35.2770, 34.8537



8.7258, 8.5971, 10.0547



15.5069, 7.7203, 13.0953



0.5138, 0.2533, 0.5482

Previews

White Background



This preview shows how the XYZ color 22.4462, 11.1798, 18.7442 looks on a white background.

Color Contrast Check

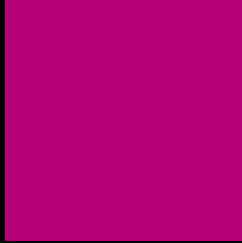
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4462, 11.1798, 18.7442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

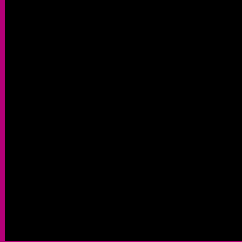
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.4462, 11.1798, 18.7442

Background



This preview shows how black text looks on a background with the XYZ color 22.4462, 11.1798, 18.7442.



This preview shows how white text looks on a background with the XYZ color 22.4462, 11.1798,

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

22.4462, 11.1798, 18.7442

Protanopia

13.2169, 11.9063, 40.1296

Deuteranopia

12.0729, 11.8279, 16.9759



Tritanopia

19.4754, 11.4849, 4.0961

Trichromacy



Original Color

22.4462, 11.1798, 18.7442



Protanomaly

12.9923, 8.4418, 30.6504



Deuteranomaly

13.7636, 9.1366, 17.2578



Tritanomaly

20.0944, 10.9015, 7.7017

Monochromacy



Original Color

22.4462, 11.1798, 18.7442



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.8909, 5.6671, 9.6421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4462, 11.1798, 18.7442 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(181, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 120)  
}
```

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(181, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 120) }
```

Border

The CSS property to change the border of an element to XYZ 22.4462, 11.1798, 18.7442 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(181, 0, 120) }
```


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

```
.border{ border-color:rgb(181, 0, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4462, 11.1798, 18.7442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 120) }
```

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

```
.background{ background-color: rgb(181, 0,  
120) }
```

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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