

Converting Colors

XYZ(22.6495, 13.9977, 47.9630)

Have a look what the booklet for
XYZ(22.6495, 13.9977, 47.9630)
contains.

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Color

**XYZ(22.6178, 13.9809,
47.9609)**

Conversions

Conversions Part 1

Format	Color
Hex	9047BA
RGB	144, 71, 186
RGB Percent	56%, 28%, 73%
CMY	0.4353, 0.7216, 0.2706
CMYK	0.23, 0.62, 0.00, 0.27
HSL	278°, 45%, 50%
HSV	278°, 62%, 73%
XYZ	22.6178, 13.9809, 47.9609
YIQ	105.9370, 6.5930, 51.2410

Conversions

Conversions Part 2

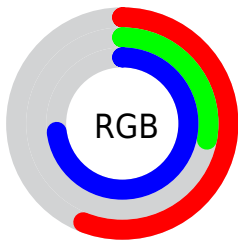
Format	Color
RYB	144, 71, 186
Decimal	9455546
CIELab	44.21, 50.34, -48.37
CIELCh	44, 69.810, 316.140
Yxy	13.9809, 0.2675, 0.1653
Android (android.graphics.Color)	4287645626 (0xFF9047BA)
YUV	105.9370, 39.4711, 33.3813
Hunter-Lab	37.3910, 42.5401, -49.8766

Details

The XYZ color **22.6178, 13.9809, 47.9609** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **25.5065, 39.0837, 12.1612**, and the grayscale version is **13.5770, 14.2841, 15.5554**.

A 20% lighter version of the original color is **47.3480, 33.0545, 88.6787**, and **8.4555, 4.1314, 22.1816** is the 20% darker color. If you saturate the color by 10%, you get **20.4599, 11.3733, 47.5716**, and if you desaturate by 10%, it is **25.2102, 17.3503, 48.4749**.

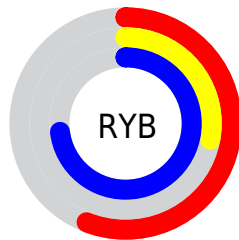
Distribution



Red (56%)

Green (28%)

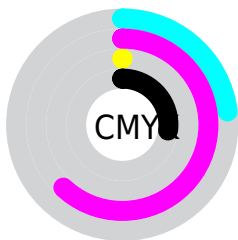
Blue (73%)



Red (56%)

Yellow (28%)

Blue (73%)

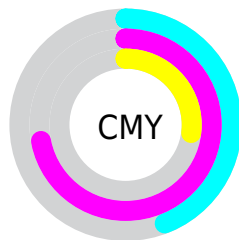


Cyan (23%)

Magenta (62%)

Yellow (0%)

Black (27%)



Cyan (44%)

Magenta (72%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6178, 13.9809, 47.9609 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 22.6178, 13.9809, 47.9609 by changing the saturation by 10% instead.

■ 22.6178, 13.9809,
47.9609

■ 22.6178, 13.9809,
47.9609

258.3280,
217.1120, 395.1414

■ 14.4307, 8.1074,
33.4362

■ 47.2363, 33.0551,
88.5111

■ 8.5045, 4.1637,
22.1869

■ 64.3984, 47.0246,
115.3737

■ 4.4739, 1.7656,
13.7947

■ 85.2828, 64.4616,
147.1859

■ 1.9736, 0.4656,
7.8409

■ 110.2550, 85.7504,
184.3664

■ 0.6191, 0.0000,
3.9070

■ 139.6802,
111.2754, 227.3336

■ 0.0000, 0.0000,
1.5745

173.9239,

■ 0.0000, 0.0000,

141.4211, 276.5062

0.2725

213.3514,
176.5718, 332.3026

■ 0.0000, 0.0000,
0.0000

■ 22.6178, 13.9809,
47.9609

■ 22.6178, 13.9809,
47.9609

■ 20.4599, 11.3733,
47.5716

■ 25.2102, 17.3503,
48.4749

■ 18.6994, 9.4568,
47.2944

■ 28.2666, 21.5404,
49.1226

■ 17.2946, 8.1497,
47.1162

■ 31.8154, 26.6060,
49.9133

■ 16.3440, 7.4018,
47.0219

■ 35.8824, 32.5966,
50.8552

■ 40.4913, 39.5580,
51.9560

■ 45.6642, 47.5327,
53.2226

■ 51.4219, 56.5610,
54.6618

■ 57.7841, 66.6807,
56.2798

■ 64.7697, 77.9277,
58.0825

Harmonies

Analogous

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



16.4981, 13.9809, 67.8888



22.6178, 13.9809, 47.9609



26.6565, 13.9809, 23.8289

Triad

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



22.6178, 13.9809, 47.9609



16.0264, 13.9809, 0.5900



5.4196, 13.9809, 25.4565

Complementary

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



22.6178, 13.9809, 47.9609



25.5065, 39.0837, 12.1612

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.



5.3591, 13.9809, 8.9872



22.6178, 13.9809, 47.9609



10.5246, 13.9809, 0.6403

Square

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



22.6178, 13.9809, 47.9609



22.1902, 13.9809, 2.0803



6.9588, 13.9809, 2.3182



7.1567, 13.9809, 49.8427

Rectangle

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



22.6178, 13.9809, 47.9609



27.0572, 13.9809, 12.1683



6.9588, 13.9809, 2.3182



5.2234, 13.9809, 18.7500

Sweetspot

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



22.6184, 13.9814, 47.9612



67.0436, 62.0846, 92.6513



17.3856, 16.7327, 48.7681



14.2597, 12.9172, 20.2843



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.6184, 13.9814, 47.9612



35.9230, 19.3007, 86.0335



29.8222, 17.8735, 40.2402



9.0543, 8.9943, 11.3383



11.0802, 5.0232, 31.6387



0.4560, 0.2108, 1.1184

Inverse Universe

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



25.4838, 16.1382, 17.3946



42.4067, 24.0453, 22.9850



21.8509, 37.1350, 14.8912



9.1365, 9.0650, 10.0665



14.3571, 7.3166, 4.5013



0.5364, 0.2700, 0.3180

Previews

White Background



This preview shows how the XYZ color 22.6178, 13.9809, 47.9609 looks on a white background.

Color Contrast Check

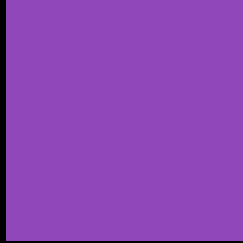
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6178, 13.9809, 47.9609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

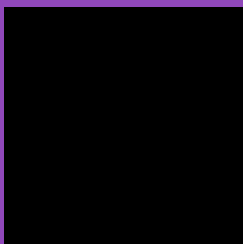
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.6178, 13.9809, 47.9609

Background



This preview shows how black text looks on a background with the XYZ color 22.6178, 13.9809, 47.9609.



This preview shows how white text looks on a background with the XYZ color 22.6178, 13.9809,

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

22.6178, 13.9809, 47.9609

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.6061, 14.2409, 44.6268



Tritanopia

15.8506, 13.9690, 14.4312

Trichromacy



Original Color

22.6178, 13.9809, 47.9609



Protanomaly

15.9714, 12.4020, 58.6788



Deuteranomaly

16.0140, 13.0909, 45.9387



Tritanomaly

17.7148, 13.5833, 23.8785

Monochromacy



Original Color

22.6178, 13.9809, 47.9609



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

16.0333, 13.5710, 24.6961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6178, 13.9809, 47.9609 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(144, 71, 186)` looks like.

```
.text, #text, p{  
    color:rgb(144, 71, 186)  
}
```

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(144, 71, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 71, 186) }
```

Border

The CSS property to change the border of an element to XYZ 22.6178, 13.9809, 47.9609 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(144, 71, 186) }
```


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

```
.border{ border-color:rgb(144, 71, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 71, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 71, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 71, 186);  
box-shadow:4px 4px 4px 4px rgb(144, 71,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6178, 13.9809, 47.9609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 71, 186) }
```

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

```
.background{ background-color: rgb(144, 71,  
186) }
```

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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