

Converting Colors

XYZ(15.1001, 7.2943, 22.8501)

Have a look what the booklet for
XYZ(15.1001, 7.2943, 22.8501)
contains.

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Color

**XYZ(15.0489, 7.2689,
22.8002)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0085
RGB	140, 0, 133
RGB Percent	55%, 0%, 52%
CMY	0.4510, 1.0000, 0.4784
CMYK	0.00, 1.00, 0.05, 0.45
HSL	303°, 100%, 27%
HSV	303°, 100%, 55%
XYZ	15.0489, 7.2689, 22.8002
YIQ	57.0220, 40.7470, 71.0430

Conversions

Conversions Part 2

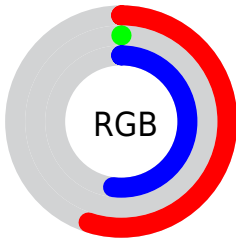
Format	Color
R_{YB}	140, 0, 133
Decimal	9175173
CIE _{Lab}	32.41, 61.82, -35.30
CIE _{LCh}	32, 71.191, 330.277
Yxy	7.2689, 0.3335, 0.1611
Android (android.graphics.Color)	4287365253 (0xFF8C0085)
YUV	57.0220, 37.4572, 72.7717
Hunter-Lab	26.9609, 52.4527, -31.2675

Details

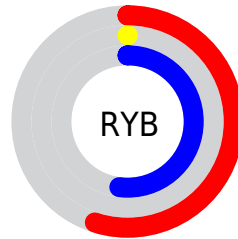
The XYZ color **15.0489, 7.2689, 22.8002** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **9.4168, 18.7719, 3.3284**, and the grayscale version is **3.8414, 4.0415, 4.4012**.

A 20% lighter version of the original color is **34.5117, 20.4903, 49.1498**, and **5.3076, 2.5558, 8.3972** is the 20% darker color. If you saturate the color by 10%, you get **15.0490, 7.2690, 22.8001**, and if you desaturate by 10%, it is **15.2548, 7.6028, 23.1083**.

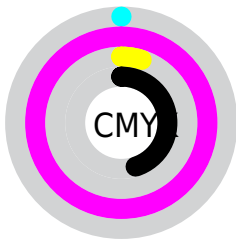
Distribution



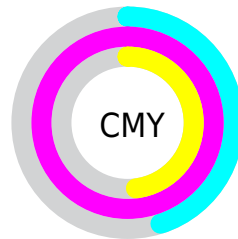
- Red (55%)
- Green (0%)
- Blue (52%)



- Red (55%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0489, 7.2689, 22.8002 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 15.0489, 7.2689, 22.8002 by changing the saturation by 10% instead.

15.0489, 7.2689,
22.8002

15.0489, 7.2689,
22.8002

217.0445,
169.8797, 279.7857

8.9403, 3.6308,
14.2421

34.5099, 20.5122,
48.9841

4.7590, 1.4693,
8.1486

48.5929, 30.8861,
67.4470

2.1399, 0.2670,
4.1010

66.0649, 44.2742,
90.0485

0.7108, 0.0000,
1.6809

87.2910, 61.0607,
117.2074

0.0000, 0.0000,
0.3476

112.6366, 81.6302,
149.3419

0.0000, 0.0000,
0.0000

142.4672,

106.3669, 186.8708

177.1480,
135.6553, 230.2126

15.0489, 7.2689,
22.8002

15.0489, 7.2689,
22.8002

15.0490, 7.2690,
22.8001

15.2548, 7.6028,
23.1083

15.5620, 8.1390,
23.4518

16.0240, 8.9844,
23.8485

16.6599, 10.1769,
24.3047

17.4859, 11.7492,
24.8259

■ 18.5164, 13.7299,
25.4168

■ 19.7645, 16.1452,
26.0819

■ 21.2420, 19.0190,
26.8251

■ 22.9601, 22.3732,
27.6501

Harmonies

Analogous

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



11.1225, 7.2689, 41.4490



15.0489, 7.2689, 22.8002



16.6668, 7.2689, 7.8171

Triad

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



15.0489, 7.2689, 22.8002



6.8748, 7.2689, 0.0000



2.4247, 7.2689, 23.1451

Complementary

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



15.0489, 7.2689, 22.8002



9.4168, 18.7719, 3.3284

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.



1.9758, 7.2689, 8.0129



15.0489, 7.2689, 22.8002



3.9218, 7.2689, 0.0000

Square

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



15.0489, 7.2689, 22.8002



11.0414, 7.2689, 0.0000



2.4077, 7.2689, 1.5213



3.9625, 7.2689, 41.7448

Rectangle

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



15.0489, 7.2689, 22.8002



15.8911, 7.2689, 2.7664



2.4077, 7.2689, 1.5213



2.1721, 7.2689, 17.2118

Sweetspot

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



15.0492, 7.2692, 22.8003



34.6924, 28.1680, 45.9039



4.8216, 1.9390, 24.9315



7.7967, 6.1082, 10.4738



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.0492, 7.2692, 22.8003



26.5138, 12.8082, 40.1024



11.7129, 5.9347, 5.2318



5.2232, 5.1247, 6.2640



13.3737, 6.4596, 20.2700



0.0904, 0.0435, 0.1428

Inverse Universe

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



15.0492, 7.2692, 22.8003



26.5138, 12.8082, 40.1024



10.7181, 19.2925, 10.1811



5.2232, 5.1247, 6.2640



13.3737, 6.4596, 20.2700



0.0904, 0.0435, 0.1428

Previews

White Background



This preview shows how the XYZ color 15.0489, 7.2689, 22.8002 looks on a white background.

Color Contrast Check

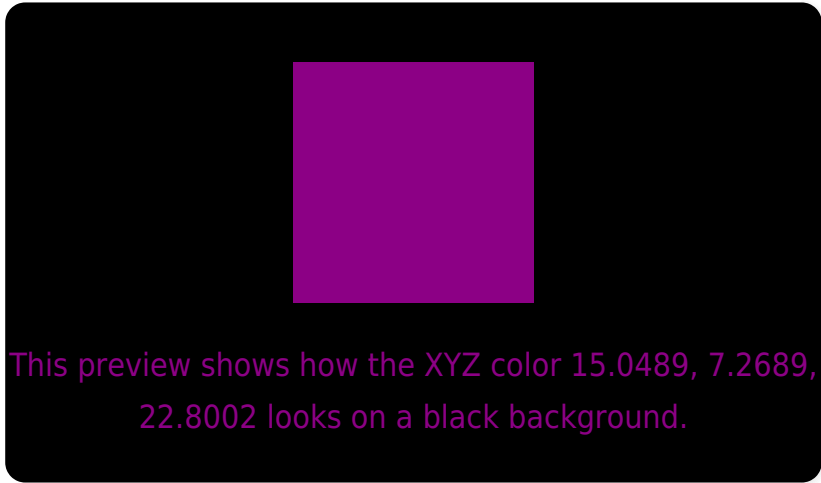
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 15.0489, 7.2689, 22.8002

Background



This preview shows how black text looks on a background with the XYZ color 15.0489, 7.2689, 22.8002.



This preview shows how white text looks on a background with the XYZ color 15.0489, 7.2689,

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

15.0489, 7.2689, 22.8002

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

8.0190, 7.8569, 20.4959



Tritanopia

11.4575, 7.6470, 4.6135

Trichromacy



Original Color

15.0489, 7.2689, 22.8002



Protanomaly

8.0495, 5.1348, 29.8450



Deuteranomaly

8.7832, 5.7710, 21.0731



Tritanomaly

12.1358, 6.8787, 9.0756

Monochromacy



Original Color

15.0489, 7.2689, 22.8002



Achromatopsia

3.8890, 4.0915, 4.4557



Achromatomaly

6.2010, 3.9439, 9.0287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0489, 7.2689, 22.8002 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(140, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 133)  
}
```

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(140, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 133) }
```

Border

The CSS property to change the border of an element to XYZ 15.0489, 7.2689, 22.8002 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(140, 0, 133) }
```


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

```
.border{ border-color:rgb(140, 0, 133) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0489, 7.2689, 22.8002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 133) }
```

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

```
.background{ background-color: rgb(140, 0,  
133) }
```

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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