

Converting Colors

$XYZ(20.0698, 9.9664, 22.7522)$

Have a look what the booklet for XYZ(20.0698, 9.9664, 22.7522) contains.

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Color

**XYZ(19.9559, 9.9032,
22.6895)**

Conversions

Conversions Part 1

Format	Color
Hex	A60684
RGB	166, 6, 132
RGB Percent	65%, 2%, 52%
CMY	0.3490, 0.9764, 0.4824
CMYK	0.00, 0.96, 0.20, 0.35
HSL	313°, 93%, 34%
HSV	313°, 96%, 65%
XYZ	19.9559, 9.9032, 22.6895
YIQ	68.2040, 54.9140, 73.1060

Conversions

Conversions Part 2

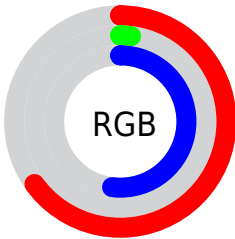
Format	Color
RYB	166, 6, 132
Decimal	10880644
CIELab	37.67, 65.85, -26.04
CIElCh	38, 70.811, 338.422
Yxy	9.9032, 0.3798, 0.1885
Android (android.graphics.Color)	4289070724 (0xFFA60684)
YUV	68.2040, 31.4514, 85.7671
Hunter-Lab	31.4694, 58.1222, -20.7197

Details

The XYZ color **19.9559, 9.9032, 22.6895** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **14.0951, 27.4649, 6.5678**, and the grayscale version is **5.4740, 5.7591, 6.2716**.

A 20% lighter version of the original color is **42.9015, 25.6968, 48.5978**, and **7.8297, 3.8604, 8.3151** is the 20% darker color. If you saturate the color by 10%, you get **19.8038, 9.7382, 22.2094**, and if you desaturate by 10%, it is **20.4354, 10.4691, 24.0608**.

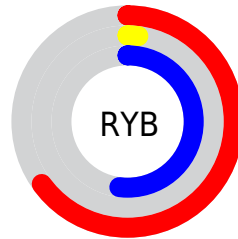
Distribution



Red (65%)

Green (2%)

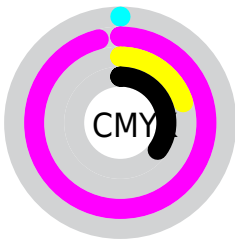
Blue (52%)



Red (65%)

Yellow (2%)

Blue (52%)

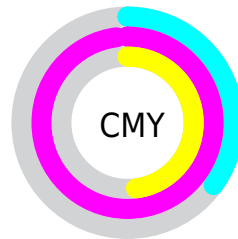


Cyan (0%)

Magenta (96%)

Yellow (20%)

Black (35%)



Cyan (35%)


Magenta (98%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9559, 9.9032, 22.6895 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 19.9559, 9.9032, 22.6895 by changing the saturation by 10% instead.


 19.9559, 9.9032,
22.6895


 19.9559, 9.9032,
22.6895


244.5144,
189.9798, 279.1962


 12.4711, 5.3348,
14.1613


 42.8477, 25.6133,
48.7997


 7.1398, 2.4450,
8.0929


 58.9855, 37.5238,
67.2187


 3.5968, 0.8489,
4.0658


 78.7382, 52.6504,
89.7718

 1.4767, 0.0000,
1.6615

 102.4713, 71.3776,
116.8774

 0.3099, 0.0000,
0.3342

 130.5501, 94.0897,
148.9541

 0.0000, 0.0000,
0.0000

 163.3400,

121.1712, 186.4205

201.2063,
153.0064, 229.6950

■ 19.9559, 9.9032,
22.6895

■ 19.9559, 9.9032,
22.6895

■ 19.8038, 9.7382,
22.2094

■ 20.4354, 10.4691,
24.0608

■ 21.1231, 11.4384,
25.5422

■ 22.0580, 12.8887,
27.1470

■ 23.2678, 14.8753,
28.8848

■ 24.7763, 17.4459,
30.7641

■ 26.6048, 20.6428,
32.7921

■ 28.7727, 24.5046,
34.9759

■ 31.2977, 29.0667,
37.3215

■ 34.1962, 34.3618,
39.8350

Harmonies

Analogous

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



15.8711, 9.9032, 44.1291



19.9559, 9.9032, 22.6895



20.8138, 9.9032, 7.5483

Triad

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



19.9559, 9.9032, 22.6895



8.2026, 9.9032, 0.0000



4.1349, 9.9032, 34.6433

Complementary

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



19.9559, 9.9032, 22.6895



14.0951, 27.4649, 6.5678

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.



3.1899, 9.9032, 14.8304



19.9559, 9.9032, 22.6895



4.9980, 9.9032, 0.6620

Square

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



19.9559, 9.9032, 22.6895



12.9628, 9.9032, 0.0000



3.4456, 9.9032, 4.0007



6.5783, 9.9032, 54.0713

Rectangle

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



19.9559, 9.9032, 22.6895



19.2447, 9.9032, 2.7709



3.4456, 9.9032, 4.0007



3.6736, 9.9032, 27.3783

Sweetspot

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



19.9562, 9.9037, 22.6897



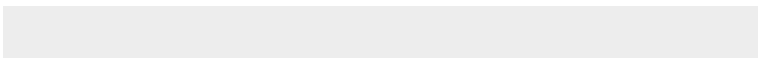
50.9050, 42.1196, 62.1914



7.7483, 3.2963, 36.3046



11.0308, 8.7831, 13.5530



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.9562, 9.9037, 22.6897



35.8616, 17.6417, 39.8855



16.4576, 8.5043, 4.2660



7.7726, 7.6389, 9.1198



15.3743, 7.5584, 17.3143



0.3907, 0.1906, 0.5089

Inverse Universe

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



19.9562, 9.9037, 22.6897



35.8616, 17.6417, 39.8855



16.9821, 28.6197, 21.7708



7.7726, 7.6389, 9.1198



15.3743, 7.5584, 17.3143



0.3907, 0.1906, 0.5089

Previews

White Background



This preview shows how the XYZ color 19.9559, 9.9032, 22.6895 looks on a white background.

Color Contrast Check

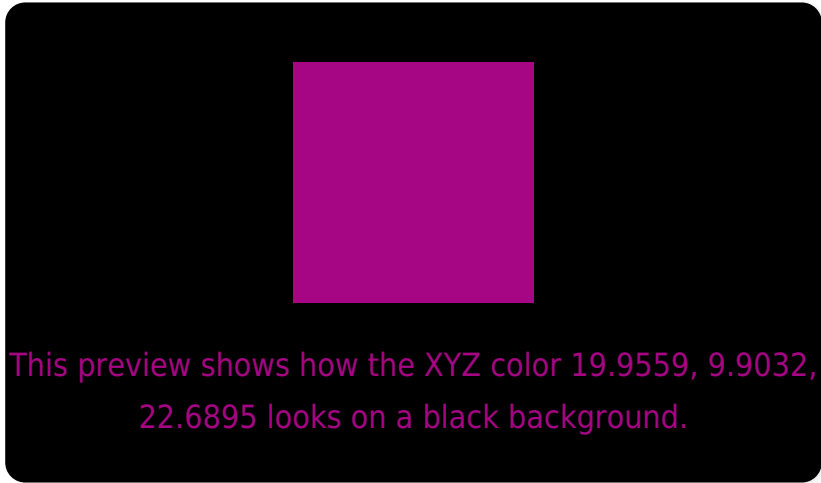
Large Text (above 18pt) WCAG AA ✓ Pass

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

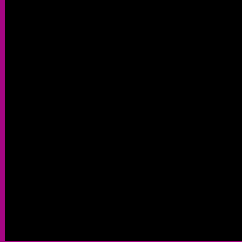
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9559, 9.9032, 22.6895

Background



This preview shows how black text looks on a background with the XYZ color 19.9559, 9.9032, 22.6895.



This preview shows how white text looks on a background with the XYZ color 19.9559, 9.9032,

22.6895.

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

19.9559, 9.9032, 22.6895

Protanopia

12.4594, 10.5673, 48.3967

Deuteranopia

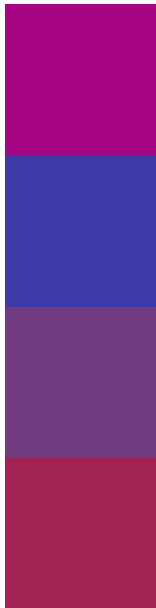
10.6876, 10.5169, 20.5354



Tritanopia

16.4148, 10.2054, 4.7191

Trichromacy



Original Color

19.9559, 9.9032, 22.6895

Protanomaly

10.3516, 6.7768, 37.3217

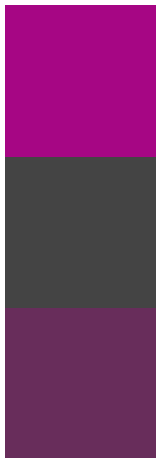
Deuteranomaly

12.0768, 8.1050, 21.0066

Tritanomaly

17.0627, 9.5080, 9.1195

Monochromacy



Original Color

19.9559, 9.9032, 22.6895

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.5356, 5.5752, 10.5238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9559, 9.9032, 22.6895 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(166, 6, 132) looks like.

```
.text, #text, p{
  color:rgb(166, 6, 132)
}
```

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(166, 6, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 6, 132) }
```

Border

The CSS property to change the border of an element to XYZ 19.9559, 9.9032, 22.6895 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(166, 6, 132) }
```


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

```
.border{ border-color:rgb(166, 6, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 6, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 6, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 6, 132);  
box-shadow:4px 4px 4px 4px rgb(166, 6,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9559, 9.9032, 22.6895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 6, 132) }
```

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

```
.background{ background-color: rgb(166, 6,  
132) }
```

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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