

Converting Colors

XYZ(18.0106, 5.7773, 32.1204)

Have a look what the booklet for
XYZ(18.0106, 5.7773, 32.1204)
contains.

XYZ(19.7961, 9.5022, 32.6890)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.7961, 9.5022,
32.6890)**

Conversions

Conversions Part 1

Format	Color
Hex	9C009D
RGB	156, 0, 157
RGB Percent	61%, 0%, 62%
CMY	0.3882, 1.0000, 0.3843
CMYK	0.01, 1.00, 0.00, 0.38
HSL	300°, 100%, 31%
HSV	300°, 100%, 62%
XYZ	19.7961, 9.5022, 32.6890
YIQ	64.5420, 42.5790, 81.8990

Conversions

Conversions Part 2

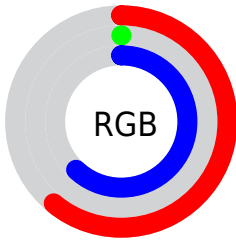
Format	Color
R_{YB}	156, 0, 157
Decimal	10223773
CIE _{Lab}	36.93, 68.22, -42.65
CIE _{LCh}	37, 80.456, 327.984
Yxy	9.5022, 0.3194, 0.1533
Android (android.graphics.Color)	4288413853 (0xFF9C009D)
YUV	64.5420, 45.5818, 80.2087
Hunter-Lab	30.8256, 60.6871, -41.2960

Details

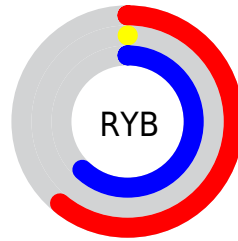
The XYZ color **19.7961, 9.5022, 32.6890** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.0697, 24.1206, 4.0200**, and the grayscale version is **4.8848, 5.1392, 5.5966**.

A 20% lighter version of the original color is **42.4839, 24.7869, 64.8326**, and **7.8053, 3.7292, 13.6730** is the 20% darker color. If you saturate the color by 10%, you get **19.7963, 9.5024, 32.6891**, and if you desaturate by 10%, it is **19.9968, 9.8745, 32.7504**.

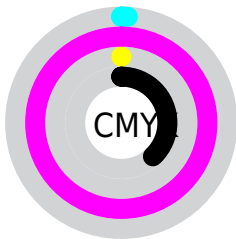
Distribution



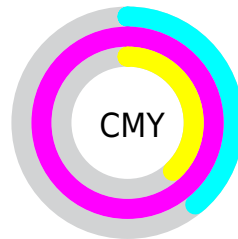
- Red (61%)
- Green (0%)
- Blue (62%)



- Red (61%)
- Yellow (0%)
- Blue (62%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (38%)



- Cyan (39%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7961, 9.5022, 32.6890 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 19.7961, 9.5022, 32.6890 by changing the saturation by 10% instead.

■ 19.7961, 9.5022,
32.6890

■ 19.7961, 9.5022,
32.6890

■ 243.6638,
187.0813, 328.8349

■ 12.3543, 5.0702,
21.6191

■ 42.5816, 24.8549,
65.0001

■ 7.0594, 2.2885,
13.3817

■ 58.6561, 36.5443,
87.0784

■ 3.5459, 0.7676,
7.5581

■ 78.3388, 51.4217,
113.6633

■ 1.4486, 0.0000,
3.7298

■ 101.9951, 69.8714,
145.1732

■ 0.2905, 0.0000,
1.4783

■ 129.9904, 92.2778,
182.0268

■ 0.0000, 0.0000,
0.2017

■ 162.6901,

■ 0.0000, 0.0000,

119.0254, 224.6426

0.0000

200.4594,
150.4984, 273.4392

■ 19.7961, 9.5022,
32.6890

■ 19.7961, 9.5022,
32.6890

■ 19.7963, 9.5024,
32.6891

■ 19.9968, 9.8745,
32.7504

■ 20.3359, 10.5240,
32.8579

■ 20.8755, 11.5744,
33.0322

■ 21.6410, 13.0766,
33.2818

■ 22.6542, 15.0742,
33.6140

■ 23.9343, 17.6056,
34.0351

■ 25.4986, 20.7054,
34.5510

■ 27.3630, 24.4052,
35.1669

■ 29.5421, 28.7345,
35.8877

Harmonies

Analogous

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



14.2973, 9.5022, 58.2021



19.7961, 9.5022, 32.6890



22.3400, 9.5022, 11.3391

Triad

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



19.7961, 9.5022, 32.6890



9.3719, 9.5022, 0.0000



2.9490, 9.5022, 29.2286

Complementary

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



19.7961, 9.5022, 32.6890



12.0697, 24.1206, 4.0200

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.



2.4528, 9.5022, 9.4131



19.7961, 9.5022, 32.6890



5.2494, 9.5022, 0.0000

Square

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



19.7961, 9.5022, 32.6890



15.1028, 9.5022, 0.0000



3.1113, 9.5022, 1.5634



4.8542, 9.5022, 55.2098

Rectangle

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



19.7961, 9.5022, 32.6890



21.5077, 9.5022, 3.9889



3.1113, 9.5022, 1.5634



2.6512, 9.5022, 21.3025

Sweetspot

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



19.7965, 9.5026, 32.6892



45.4868, 36.7270, 61.8183



6.1145, 2.4915, 32.0570



9.7577, 7.5833, 13.5198



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.7965, 9.5026, 32.6892



35.4466, 17.0143, 58.5426



15.3946, 7.7643, 8.4960



6.9000, 6.7524, 8.3464



16.0795, 7.7183, 26.5495



0.2887, 0.1386, 0.4748

Inverse Universe

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



13.9103, 7.1706, 0.6800



24.9090, 12.8402, 1.2028



13.3578, 24.6344, 10.8683



6.6347, 6.6468, 6.9274



11.2981, 5.8238, 0.5547



0.2025, 0.1043, 0.0123

Previews

White Background



This preview shows how the XYZ color 19.7961, 9.5022, 32.6890 looks on a white background.

Color Contrast Check

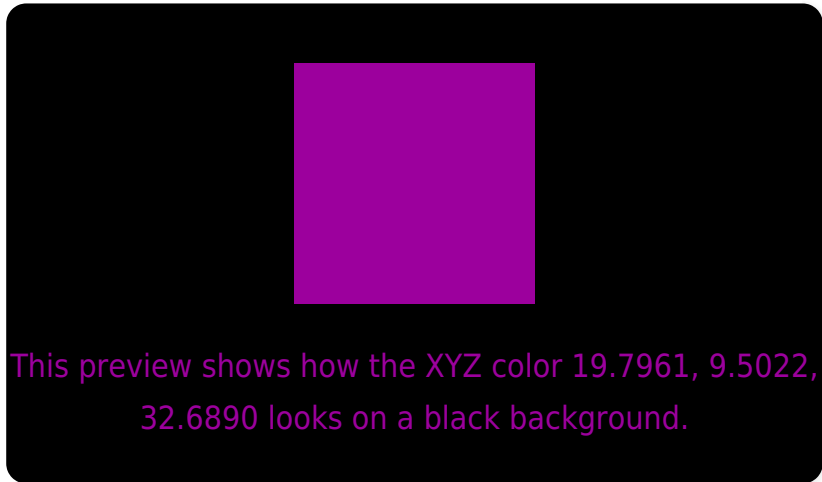
Large Text (above 18pt) WCAG AA ✓ Pass

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

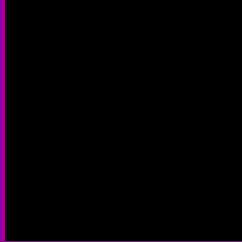
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7961, 9.5022, 32.6890

Background



This preview shows how black text looks on a background with the XYZ color 19.7961, 9.5022, 32.6890.



This preview shows how white text looks on a background with the XYZ color 19.7961, 9.5022, 32.6890.

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

19.7961, 9.5022, 32.6890

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

10.4176, 10.1805, 29.4329



Tritanopia

14.5601, 9.9496, 6.3073

Trichromacy



Original Color

19.7961, 9.5022, 32.6890



Protanomaly

10.6935, 6.6582, 40.7660



Deuteranomaly

11.2655, 7.3343, 30.1001



Tritanomaly

15.5553, 8.8359, 12.6900

Monochromacy



Original Color

19.7961, 9.5022, 32.6890



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.0345, 5.0644, 12.1093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7961, 9.5022, 32.6890 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(156, 0, 157)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 157)  
}
```

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(156, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 157) }
```

Border

The CSS property to change the border of an element to XYZ 19.7961, 9.5022, 32.6890 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(156, 0, 157) }
```


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

```
.border{ border-color:rgb(156, 0, 157) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7961, 9.5022, 32.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 157) }
```

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

```
.background{ background-color: rgb(156, 0,  
157) }
```

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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