

Converting Colors

XYZ(20.7783, 10.0609, 30.3720)

Have a look what the booklet for
XYZ(20.7783, 10.0609, 30.3720)
contains.

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Color

**XYZ(20.7718, 10.0535,
30.5515)**

Conversions

Conversions Part 1

Format	Color
Hex	A30098
RGB	163, 0, 152
RGB Percent	64%, 0%, 60%
CMY	0.3608, 0.9999, 0.4039
CMYK	0.00, 1.00, 0.07, 0.36
HSL	304°, 100%, 32%
HSV	304°, 100%, 64%
XYZ	20.7718, 10.0535, 30.5515
YIQ	66.0650, 48.3560, 81.8280

Conversions

Conversions Part 2

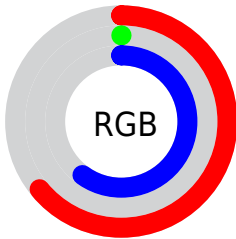
Format	Color
RYB	163, 0, 152
Decimal	10682520
CIELab	37.94, 68.68, -37.94
CIELCh	38, 78.461, 331.085
Yxy	10.0535, 0.3384, 0.1638
Android (android.graphics.Color)	4288872600 (0xFFA30098)
YUV	66.0650, 42.3660, 85.0120
Hunter-Lab	31.7073, 61.4498, -34.9338

Details

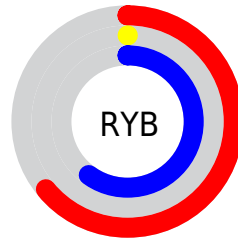
The XYZ color **20.7718, 10.0535, 30.5515** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.1581, 26.2191, 4.6844**, and the grayscale version is **5.1209, 5.3876, 5.8671**.

A 20% lighter version of the original color is **44.3291, 25.9194, 61.6980**, and **8.2441, 3.9843, 12.3911** is the 20% darker color. If you saturate the color by 10%, you get **20.7720, 10.0536, 30.5512**, and if you desaturate by 10%, it is **21.0526, 10.4699, 31.0918**.

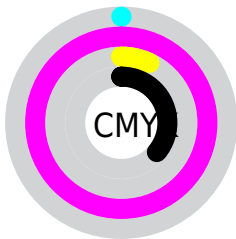
Distribution



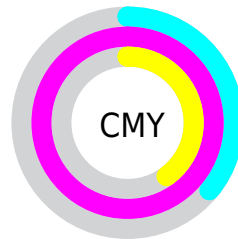
- Red (64%)
- Green (0%)
- Blue (60%)



- Red (64%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7718, 10.0535, 30.5515 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 20.7718, 10.0535, 30.5515 by changing the saturation by 10% instead.


 20.7718, 10.0535,
30.5515


 20.7718, 10.0535,
30.5515


248.8180,
191.0535, 318.7537


 13.0688, 5.4344,
20.0020


 44.2016, 25.8961,
61.6045


 7.5533, 2.5044,
12.2124


 60.6591, 37.8884,
82.9451


 3.8598, 0.8788,
6.7642

 80.7655, 53.1073,
108.7198

 1.6231, 0.0000,
3.2389

 104.8861, 71.9370,
139.3471

 0.4074, 0.0000,
1.2179

 133.3863, 94.7622,
175.2457

 0.0000, 0.0000,
0.0000

 166.6314,

121.9670, 216.8339

204.9869,
153.9360, 264.5304

■ 20.7718, 10.0535,
30.5515

■ 20.7718, 10.0535,
30.5515

■ 20.7720, 10.0536,
30.5512

■ 21.0526, 10.4699,
31.0918

■ 21.4872, 11.1929,
31.6875

■ 22.1410, 12.3529,
32.3604

■ 23.0420, 14.0059,
33.1198

■ 24.2141, 16.1999,
33.9738

■ 25.6784, 18.9769,
34.9294

■ 27.4540, 22.3750,
35.9929

■ 29.5581, 26.4290,
37.1701

■ 32.0070, 31.1710,
38.4664

Harmonies

Analogous

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



15.4713, 10.0535, 55.9488



20.7718, 10.0535, 30.5515



22.8590, 10.0535, 10.4305

Triad

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



20.7718, 10.0535, 30.5515



9.3736, 10.0535, 0.0000



3.4342, 10.0535, 32.3877

Complementary

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



20.7718, 10.0535, 30.5515



13.1581, 26.2191, 4.6844

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.



2.7795, 10.0535, 11.4794



20.7718, 10.0535, 30.5515



5.3804, 10.0535, 0.0000

Square

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



20.7718, 10.0535, 30.5515



15.0381, 10.0535, 0.0000



3.3425, 10.0535, 2.2718



5.5996, 10.0535, 57.5194

Rectangle

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



20.7718, 10.0535, 30.5515



21.7229, 10.0535, 3.6984



3.3425, 10.0535, 2.2718



3.0729, 10.0535, 24.2452

Sweetspot

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



20.7722, 10.0540, 30.5517



48.9719, 39.6964, 64.3464



6.7476, 2.7150, 34.8193



10.6997, 8.3420, 14.2758



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.7722, 10.0540, 30.5517



37.1705, 17.9930, 54.5565



16.2305, 8.2373, 6.6357



7.3436, 7.1939, 8.7958



16.1501, 7.8161, 23.7788



0.3451, 0.1665, 0.5298

Inverse Universe

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



20.7722, 10.0540, 30.5517



37.1705, 17.9930, 54.5565



15.0457, 26.9742, 14.6246



7.3436, 7.1939, 8.7958



16.1501, 7.8161, 23.7788



0.3451, 0.1665, 0.5298

Previews

White Background



This preview shows how the XYZ color 20.7718, 10.0535, 30.5515 looks on a white background.

Color Contrast Check

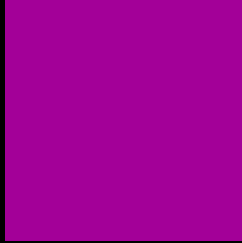
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7718, 10.0535, 30.5515 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 20.7718, 10.0535, 30.5515

Background



This preview shows how black text looks on a background with the XYZ color 20.7718, 10.0535, 30.5515.



This preview shows how white text looks on a background with the XYZ color 20.7718, 10.0535,

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

20.7718, 10.0535, 30.5515

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

11.0318, 10.7957, 27.4889



Tritanopia

15.8395, 10.4606, 5.8869

Trichromacy



Original Color

20.7718, 10.0535, 30.5515



Protanomaly

11.0046, 6.9512, 41.3191



Deuteranomaly

12.1191, 7.9700, 28.0937



Tritanomaly

16.6633, 9.3805, 11.7588

Monochromacy



Original Color

20.7718, 10.0535, 30.5515



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.3525, 5.2857, 11.8893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7718, 10.0535, 30.5515 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(163, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 152)  
}
```

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(163, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.7718, 10.0535, 30.5515 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(163, 0, 152) }
```


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

```
.border{ border-color:rgb(163, 0, 152) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7718, 10.0535, 30.5515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 152) }
```

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

```
.background{ background-color: rgb(163, 0,  
152) }
```

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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