

Converting Colors

XYZ(20.3755, 7.9360, 32.6516)

Have a look what the booklet for
XYZ(20.3755, 7.9360, 32.6516)
contains.

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Color

**XYZ(21.6886, 10.4680,
33.2252)**

Conversions

Conversions Part 1

Format	Color
Hex	A5009E
RGB	165, 0, 158
RGB Percent	65%, 0%, 62%
CMY	0.3529, 0.9999, 0.3804
CMYK	0.00, 1.00, 0.04, 0.35
HSL	303°, 100%, 32%
HSV	303°, 100%, 65%
XYZ	21.6886, 10.4680, 33.2252
YIQ	67.3470, 47.6220, 84.1180

Conversions

Conversions Part 2

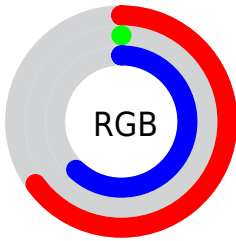
Format	Color
RYB	165, 0, 158
Decimal	10813598
CIELab	38.67, 69.89, -40.39
CIELCh	39, 80.726, 329.978
Yxy	10.4680, 0.3317, 0.1601
Android (android.graphics.Color)	4289003678 (0xFFA5009E)
YUV	67.3470, 44.6919, 85.6417
Hunter-Lab	32.3543, 63.0369, -38.2380

Details

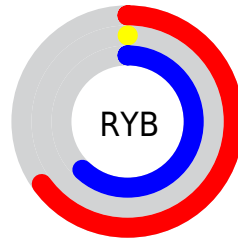
The XYZ color **21.6886, 10.4680, 33.2252** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.4940, 26.9261, 4.6877**, and the grayscale version is **5.3181, 5.5950, 6.0930**.

A 20% lighter version of the original color is **45.7680, 26.6860, 65.6895**, and **8.7859, 4.2288, 13.9888** is the 20% darker color. If you saturate the color by 10%, you get **21.6887, 10.4680, 33.2249**, and if you desaturate by 10%, it is **21.9423, 10.8784, 33.6080**.

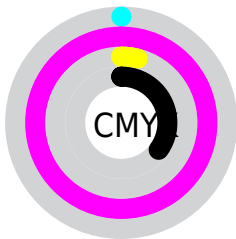
Distribution



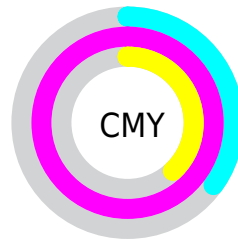
- Red (65%)
- Green (0%)
- Blue (62%)



- Red (65%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6886, 10.4680, 33.2252 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 21.6886, 10.4680, 33.2252 by changing the saturation by 10% instead.


 21.6886, 10.4680,
33.2252


 21.6886, 10.4680,
33.2252


253.5788,
193.9804, 331.3264


 13.7436, 5.7103,
22.0265


 45.7135, 26.6721,
65.8470


 8.0230, 2.6698,
13.6779


 62.5240, 38.8874,
88.1072

 4.1616, 0.9619,
7.7608


 83.0205, 54.3573,
114.8916

 1.7940, 0.0000,
3.8567

 107.5682, 73.4662,
146.6189

 0.5140, 0.0000,
1.5471

 136.5326, 96.5986,
183.7074

 0.0000, 0.0000,
0.2526

 170.2789,

 0.0000, 0.0000,

124.1389, 226.5758

0.0000

209.1725,
156.4713, 275.6426

■ 21.6886, 10.4680,
33.2252

■ 21.6886, 10.4680,
33.2252

■ 21.6887, 10.4680,
33.2249

■ 21.9423, 10.8784,
33.6080

■ 22.3545, 11.6054,
34.0453

■ 22.9914, 12.7815,
34.5592

■ 23.8821, 14.4645,
35.1594

■ 25.0513, 16.7038,
35.8541

■ 26.5206, 19.5429,
36.6506

■ 28.3096, 23.0210,
37.5554

■ 30.4363, 27.1737,
38.5744

■ 32.9172, 32.0345,
39.7132

Harmonies

Analogous

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



15.9832, 10.4680, 60.2369



21.6886, 10.4680, 33.2252



24.0778, 10.4680, 11.4092

Triad

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



21.6886, 10.4680, 33.2252



9.9535, 10.4680, 0.0000



3.4605, 10.4680, 33.1852

Complementary

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



21.6886, 10.4680, 33.2252



13.4940, 26.9261, 4.6877

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.



2.8271, 10.4680, 11.3866



21.6886, 10.4680, 33.2252



5.6649, 10.4680, 0.0000

Square

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



21.6886, 10.4680, 33.2252



15.9926, 10.4680, 0.0000



3.4625, 10.4680, 2.1275



5.6602, 10.4680, 60.2026

Rectangle

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



21.6886, 10.4680, 33.2252



22.9856, 10.4680, 4.0347



3.4625, 10.4680, 2.1275



3.1015, 10.4680, 24.6163

Sweetspot

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



21.6890, 10.4685, 33.2254



50.5041, 40.8467, 67.1620



6.8609, 2.7527, 35.7674



10.7493, 8.3618, 14.5374



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.



21.6890, 10.4685, 33.2254



38.8228, 18.7394, 59.3988



16.8574, 8.5359, 7.7824



7.3513, 7.1970, 8.8363



16.4124, 7.9210, 25.1600



0.3486, 0.1679, 0.5482

Inverse Universe

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



21.6890, 10.4685, 33.2254



38.8228, 18.7394, 59.3988



15.2174, 27.6154, 13.7630



7.3513, 7.1970, 8.8363



16.4124, 7.9210, 25.1600



0.3486, 0.1679, 0.5482

Previews

White Background



This preview shows how the XYZ color 21.6886, 10.4680, 33.2252 looks on a white background.

Color Contrast Check

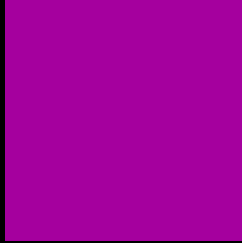
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6886, 10.4680, 33.2252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

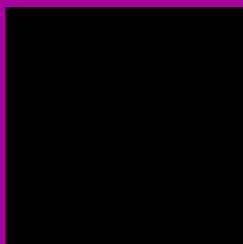
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6886, 10.4680, 33.2252

Background



This preview shows how black text looks on a background with the XYZ color 21.6886, 10.4680, 33.2252.



This preview shows how white text looks on a background with the XYZ color 21.6886, 10.4680,

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

21.6886, 10.4680, 33.2252

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

11.3979, 11.2003, 29.5781



Tritanopia

16.4163, 10.9065, 6.3942

Trichromacy



Original Color

21.6886, 10.4680, 33.2252



Protanomaly

11.4633, 7.1416, 43.4221



Deuteranomaly

12.5389, 8.2080, 30.6292



Tritanomaly

17.2757, 9.7228, 12.7705

Monochromacy



Original Color

21.6886, 10.4680, 33.2252



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.7576, 5.5314, 12.6627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6886, 10.4680, 33.2252 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(165, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(165, 0, 158)  
}
```

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(165, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.6886, 10.4680, 33.2252 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(165, 0, 158) }
```


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

```
.border{ border-color:rgb(165, 0, 158) }
```

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

Here you see how a box with a 4 pixel rgb(165, 0, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(165, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6886, 10.4680, 33.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 0, 158) }
```

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

```
.background{ background-color: rgb(165, 0,  
158) }
```

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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