

Converting Colors

XYZ(21.0767, 10.1803, 31.9437)

Have a look what the booklet for
XYZ(21.0767, 10.1803, 31.9437)
contains.

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Color

**XYZ(21.0207, 10.1531,
31.8622)**

Conversions

Conversions Part 1

Format	Color
Hex	A3009B
RGB	163, 0, 155
RGB Percent	64%, 0%, 61%
CMY	0.3608, 0.9999, 0.3922
CMYK	0.00, 1.00, 0.05, 0.36
HSL	303°, 100%, 32%
HSV	303°, 100%, 64%
XYZ	21.0207, 10.1531, 31.8622
YIQ	66.4070, 47.3930, 82.7610

Conversions

Conversions Part 2

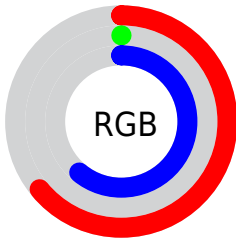
Format	Color
RYB	163, 0, 155
Decimal	10682523
CIELab	38.12, 69.11, -39.48
CIElCh	38, 79.593, 330.265
Yxy	10.1531, 0.3335, 0.1611
Android (android.graphics.Color)	4288872603 (0xFFA3009B)
YUV	66.4070, 43.6763, 84.7121
Hunter-Lab	31.8639, 61.9949, -36.9820

Details

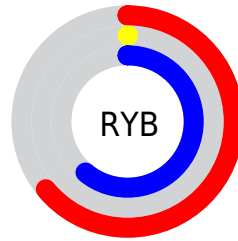
The XYZ color **21.0207, 10.1531, 31.8622** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.1415, 26.2125, 4.5971**, and the grayscale version is **5.1722, 5.4415, 5.9258**.

A 20% lighter version of the original color is **44.7744, 26.2173, 63.6733**, and **8.3920, 4.0434, 13.1701** is the 20% darker color. If you saturate the color by 10%, you get **21.0209, 10.1532, 31.8620**, and if you desaturate by 10%, it is **21.2784, 10.5602, 32.2808**.

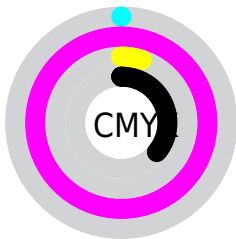
Distribution



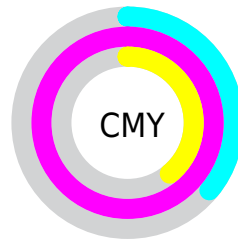
- Red (64%)
- Green (0%)
- Blue (61%)



- Red (64%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0207, 10.1531, 31.8622 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 21.0207, 10.1531, 31.8622 by changing the saturation by 10% instead.


 21.0207, 10.1531,
31.8622


 21.0207, 10.1531,
31.8622


250.1181,
191.7613, 324.9644


 13.2517, 5.5006,
20.9923


 44.6130, 26.0831,
63.6904


 7.6803, 2.5439,
12.9272


 61.1670, 38.1293,
85.4858


 3.9411, 0.8985,
7.2483


 81.3800, 53.4089,
111.7601

 1.6689, 0.0000,
3.5371

 105.6174, 72.3063,
142.9319

 0.4367, 0.0000,
1.3750

 134.2446, 95.2058,
179.4197

 0.0000, 0.0000,
0.1221

 167.6269,

 0.0000, 0.0000,

122.4919, 221.6420

0.0000

206.1296,
154.5489, 270.0174

■ 21.0207, 10.1531,
31.8622

■ 21.0207, 10.1531,
31.8622

■ 21.0209, 10.1532,
31.8620

■ 21.2784, 10.5602,
32.2808

■ 21.6895, 11.2739,
32.7527

■ 22.3194, 12.4244,
33.2998

■ 23.1962, 14.0678,
33.9313

■ 24.3436, 16.2520,
34.6553

■ 25.7829, 19.0190,
35.4788

■ 27.5330, 22.4070,
36.4081

■ 29.6113, 26.4507,
37.4490

■ 32.0339, 31.1823,
38.6070

Harmonies

Analogous

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



15.5343, 10.1531, 57.9165



21.0207, 10.1531, 31.8622



23.2829, 10.1531, 10.9248

Triad

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



21.0207, 10.1531, 31.8622



9.6046, 10.1531, 0.0000



3.3855, 10.1531, 32.3229

Complementary

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



21.0207, 10.1531, 31.8622



13.1415, 26.2125, 4.5971

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.



2.7590, 10.1531, 11.1862



21.0207, 10.1531, 31.8622



5.4786, 10.1531, 0.0000

Square

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



21.0207, 10.1531, 31.8622



15.4260, 10.1531, 0.0000



3.3629, 10.1531, 2.1224



5.5329, 10.1531, 58.3117

Rectangle

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



21.0207, 10.1531, 31.8622



22.2004, 10.1531, 3.8661



3.3629, 10.1531, 2.1224



3.0330, 10.1531, 24.0345

Sweetspot

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



21.0211, 10.1536, 31.8624



49.1157, 39.7539, 65.1035



6.6794, 2.6799, 34.8161



10.7361, 8.3565, 14.4677



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.



21.0211, 10.1536, 31.8624



37.6238, 18.1744, 56.9440



16.4118, 8.3099, 7.5903



7.3492, 7.1961, 8.8255



16.3418, 7.8928, 24.7885



0.3476, 0.1675, 0.5433

Inverse Universe

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



21.0211, 10.1536, 31.8624



37.6238, 18.1744, 56.9440



14.8155, 26.8821, 13.4123



7.3492, 7.1961, 8.8255



16.3418, 7.8928, 24.7885



0.3476, 0.1675, 0.5433

Previews

White Background



This preview shows how the XYZ color 21.0207, 10.1531, 31.8622 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

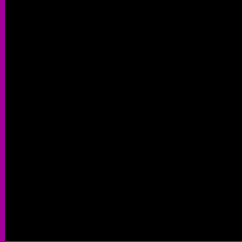
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0207, 10.1531, 31.8622

Background



This preview shows how black text looks on a background with the XYZ color 21.0207, 10.1531, 31.8622.



This preview shows how white text looks on a background with the XYZ color 21.0207, 10.1531,

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

21.0207, 10.1531, 31.8622

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

11.0654, 10.7864, 28.6929



Tritanopia

15.9493, 10.5892, 6.2043

Trichromacy



Original Color

21.0207, 10.1531, 31.8622



Protanomaly

11.2026, 7.0304, 42.3615



Deuteranomaly

12.1344, 7.9505, 29.3288



Tritanomaly

16.8348, 9.5010, 12.5019

Monochromacy



Original Color

21.0207, 10.1531, 31.8622



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.3994, 5.3045, 12.1364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0207, 10.1531, 31.8622 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 155) }
```

Border

The CSS property to change the border of an element to XYZ 21.0207, 10.1531, 31.8622 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, 155) }
```


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

```
.border{ border-color:rgb(163, 0, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0207, 10.1531, 31.8622 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, 155) }
```

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

```
.background{ background-color: rgb(163, 0,  
155) }
```

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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