

Converting Colors

XYZ(21.2109, 10.1688, 35.5892)

Have a look what the booklet for
XYZ(21.2109, 10.1688, 35.5892)
contains.

XYZ(21.1081, 10.1179, 35.4908)	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(21.1081, 10.1179,
35.4908)**

Conversions

Conversions Part 1

Format	Color
Hex	A000A3
RGB	160, 0, 163
RGB Percent	63%, 0%, 64%
CMY	0.3725, 1.0000, 0.3608
CMYK	0.02, 1.00, 0.00, 0.36
HSL	299°, 100%, 32%
HSV	299°, 100%, 64%
XYZ	21.1081, 10.1179, 35.4908
YIQ	66.4220, 43.0370, 84.6130

Conversions

Conversions Part 2

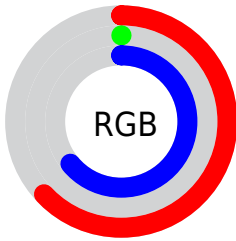
Format	Color
RYB	160, 0, 163
Decimal	10485923
CIELab	38.05, 69.80, -44.45
CIElCh	38, 82.751, 327.513
Yxy	10.1179, 0.3164, 0.1517
Android (android.graphics.Color)	4288676003 (0xFFA000A3)
YUV	66.4220, 47.6130, 82.0679
Hunter-Lab	31.8086, 62.7868, -43.8873

Details

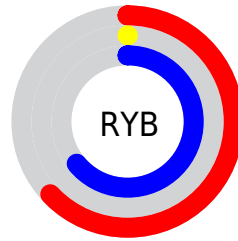
The XYZ color **21.1081, 10.1179, 35.4908** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.1350, 26.2140, 4.3679**, and the grayscale version is **5.1687, 5.4379, 5.9219**.

A 20% lighter version of the original color is **44.6421, 25.9048, 69.6651**, and **8.4080, 4.0094, 15.0826** is the 20% darker color. If you saturate the color by 10%, you get **21.1083, 10.1181, 35.4910**, and if you desaturate by 10%, it is **21.3584, 10.5290, 35.5571**.

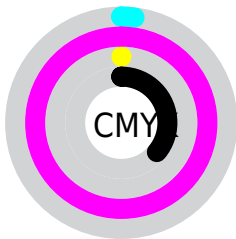
Distribution



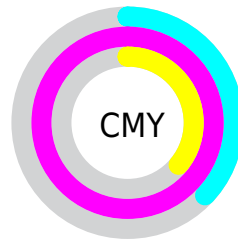
- Red (63%)
- Green (0%)
- Blue (64%)



- Red (63%)
- Yellow (0%)
- Blue (64%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (36%)



- Cyan (37%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1081, 10.1179, 35.4908 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 21.1081, 10.1179, 35.4908 by changing the saturation by 10% instead.

■ 21.1081, 10.1179,
35.4908

■ 21.1081, 10.1179,
35.4908

250.5733,
191.5115, 341.6993

■ 13.3160, 5.4772,
23.7546

■ 44.7573, 26.0170,
69.4056

■ 7.7250, 2.5299,
14.9412

■ 61.3451, 38.0442,
92.4212

■ 3.9698, 0.8915,
8.6319

■ 81.5954, 53.3024,
120.0338

■ 1.6851, 0.0000,
4.4084

■ 105.8737, 72.1759,
152.6619

■ 0.4469, 0.0000,
1.8520

■ 134.5452, 95.0492,
190.7239

■ 0.0000, 0.0000,
0.4619

■ 167.9755,

■ 0.0000, 0.0000,

122.3066, 234.6384

0.0000

206.5297,
154.3326, 284.8240

■ 21.1081, 10.1179,
35.4908

■ 21.1081, 10.1179,
35.4908

■ 21.1083, 10.1181,
35.4910

■ 21.3584, 10.5290,
35.5571

■ 21.7618, 11.2464,
35.6743

■ 22.3836, 12.4005,
35.8643

■ 23.2519, 14.0474,
36.1364

■ 24.3907, 16.2350,
36.4986

■ 25.8210, 19.0053,
36.9580

■ 27.5618, 22.3964,
37.5208

■ 29.6304, 26.4432,
38.1929

■ 32.0431, 31.1776,
38.9795

Harmonies

Analogous

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



15.1694, 10.1179, 62.9209



21.1081, 10.1179, 35.4908



23.9160, 10.1179, 12.3398

Triad

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



21.1081, 10.1179, 35.4908



10.0683, 10.1179, 0.0000



3.0910, 10.1179, 30.8938

Complementary

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



21.1081, 10.1179, 35.4908



13.1350, 26.2140, 4.3679

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.



2.5825, 10.1179, 9.7917



21.1081, 10.1179, 35.4908



5.6174, 10.1179, 0.0000

Square

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



21.1081, 10.1179, 35.4908



16.2371, 10.1179, 0.0000



3.3043, 10.1179, 1.5768



5.0963, 10.1179, 58.9391

Rectangle

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



21.1081, 10.1179, 35.4908



23.0721, 10.1179, 4.3352



3.3043, 10.1179, 1.5768



2.7810, 10.1179, 22.4172

Sweetspot

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



21.1085, 10.1184, 35.4910



49.1695, 39.7367, 67.1346



6.6702, 2.7627, 34.8322



10.7497, 8.3522, 14.9831



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.



21.1085, 10.1184, 35.4910



37.7833, 18.1103, 63.5604



16.8223, 8.4740, 9.7529



7.3514, 7.1955, 8.9045



16.4095, 7.8659, 27.5832



0.3486, 0.1672, 0.5798

Inverse Universe

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



15.1210, 7.7934, 0.7938



27.0719, 13.9536, 1.3783



14.4045, 26.7174, 11.2487



7.0788, 7.0880, 7.4014



11.7535, 6.0574, 0.6265



0.2485, 0.1279, 0.0210

Previews

White Background



This preview shows how the XYZ color 21.1081, 10.1179, 35.4908 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

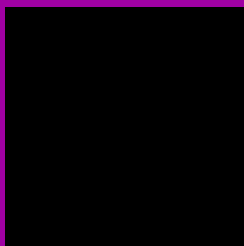
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1081, 10.1179, 35.4908

Background



This preview shows how black text looks on a background with the XYZ color 21.1081, 10.1179, 35.4908.



This preview shows how white text looks on a background with the XYZ color 21.1081, 10.1179,

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

21.1081, 10.1179, 35.4908

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

11.0803, 10.8587, 31.6489



Tritanopia

15.4545, 10.5682, 6.6942

Trichromacy



Original Color

21.1081, 10.1179, 35.4908



Protanomaly

11.3447, 7.0805, 43.4166



Deuteranomaly

11.9642, 7.7864, 32.7706



Tritanomaly

16.5675, 9.4352, 13.7799

Monochromacy



Original Color

21.1081, 10.1179, 35.4908



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.4325, 5.3048, 12.8914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1081, 10.1179, 35.4908 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(160, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 163)  
}
```

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(160, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.1081, 10.1179, 35.4908 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(160, 0, 163) }
```


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

```
.border{ border-color:rgb(160, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(160, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(160, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1081, 10.1179, 35.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 163) }
```

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

```
.background{ background-color: rgb(160, 0,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor