

Converting Colors

XYZ(21.3860, 10.4174, 33.2213)

Have a look what the booklet for
XYZ(21.3860, 10.4174, 33.2213)
contains.

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Color

**XYZ(21.3518, 10.4071,
33.2312)**

Conversions

Conversions Part 1

Format	Color
Hex	A3079E
RGB	163, 7, 158
RGB Percent	64%, 3%, 62%
CMY	0.3608, 0.9725, 0.3804
CMYK	0.00, 0.96, 0.03, 0.36
HSL	302°, 92%, 33%
HSV	302°, 96%, 64%
XYZ	21.3518, 10.4071, 33.2312
YIQ	70.8580, 44.5050, 80.0330

Conversions

Conversions Part 2

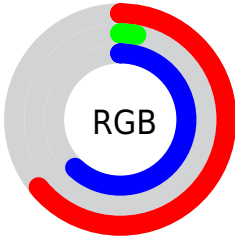
Format	Color
RYB	163, 7, 158
Decimal	10684318
CIELab	38.56, 68.76, -40.58
CIElCh	39, 79.845, 329.453
Yxy	10.4071, 0.3285, 0.1601
Android (android.graphics.Color)	4288874398 (0xFFA3079E)
YUV	70.8580, 42.9610, 80.8085
Hunter-Lab	32.2600, 61.6879, -38.4929

Details

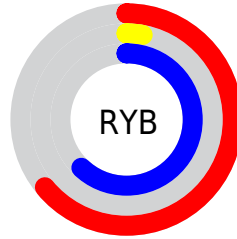
The XYZ color **21.3518, 10.4071, 33.2312** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.2517, 26.2666, 4.7199**, and the grayscale version is **5.8915, 6.1984, 6.7500**.

A 20% lighter version of the original color is **45.3048, 26.6743, 65.7116**, and **8.5454, 4.1048, 13.9776** is the 20% darker color. If you saturate the color by 10%, you get **21.2567, 10.2475, 33.1041**, and if you desaturate by 10%, it is **21.6339, 10.8988, 33.5477**.

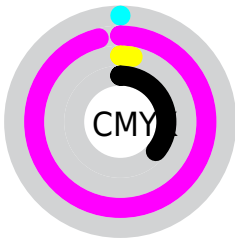
Distribution



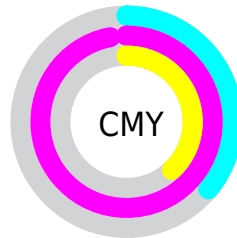
- Red (64%)
- Green (3%)
- Blue (62%)



- Red (64%)
- Yellow (3%)
- Blue (62%)



- Cyan (0%)
- Magenta (96%)
- Yellow (3%)
- Black (36%)





- Cyan (36%)
- Magenta (97%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3518, 10.4071, 33.2312 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 21.3518, 10.4071, 33.2312 by changing the saturation by 10% instead.

 21.3518, 10.4071,
33.2312


 21.3518, 10.4071,
33.2312


251.8387,
193.5534, 331.3542


 13.4953, 5.6697,
22.0311


 45.1592, 26.5584,
65.8565


 7.8498, 2.6453,
13.6812


 61.8408, 38.7412,
88.1187


 4.0500, 0.9495,
7.7631


 82.1948, 54.1745,
114.9054

 1.7305, 0.0000,
3.8581

 106.5866, 73.2428,
146.6350

 0.4752, 0.0000,
1.5478

 135.3816, 96.3304,
183.7262

 0.0000, 0.0000,
0.2532

 168.9450,

 0.0000, 0.0000,

123.8218, 226.5974

0.0000

207.6423,
156.1013, 275.6672

■ 21.3518, 10.4071,
33.2312

■ 21.3518, 10.4071,
33.2312

■ 21.2567, 10.2475,
33.1041

■ 21.6339, 10.8988,
33.5477

■ 22.1124, 11.7833,
33.9305

■ 22.8221, 13.1299,
34.3914

■ 23.7890, 14.9907,
34.9390

■ 25.0358, 17.4109,
35.5807

■ 26.5825, 20.4306,
36.3235

■ 28.4474, 24.0864,
37.1732

■ 30.6473, 28.4120,
38.1355

■ 33.1978, 33.4384,
39.2157

Harmonies

Analogous

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



15.7182, 10.4071, 59.5970



21.3518, 10.4071, 33.2312



23.7725, 10.4071, 11.6094

Triad

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



21.3518, 10.4071, 33.2312



9.9882, 10.4071, 0.0000



3.4569, 10.4071, 32.2626

Complementary

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



21.3518, 10.4071, 33.2312



13.2517, 26.2666, 4.7199

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.



2.8505, 10.4071, 11.0582



21.3518, 10.4071, 33.2312



5.7189, 10.4071, 0.0000

Square

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



21.3518, 10.4071, 33.2312



15.9463, 10.4071, 0.0000



3.5049, 10.4071, 2.0834



5.6040, 10.4071, 58.7672

Rectangle

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



21.3518, 10.4071, 33.2312



22.7564, 10.4071, 4.1829



3.5049, 10.4071, 2.0834



3.1087, 10.4071, 23.9120

Sweetspot

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



21.3522, 10.4076, 33.2314



49.5936, 40.4819, 65.9654



6.8075, 2.8588, 34.8438



10.8378, 8.5028, 14.6779



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.



21.3522, 10.4076, 33.2314



38.0537, 18.3463, 59.2076



16.7192, 8.5544, 8.8345



7.3545, 7.1982, 8.8531



16.5235, 7.9655, 25.7452



0.3500, 0.1685, 0.5559

Inverse Universe

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



21.3522, 10.4076, 33.2314



38.0537, 18.3463, 59.2076



14.9305, 26.9381, 13.5604



7.3545, 7.1982, 8.8531



16.5235, 7.9655, 25.7452



0.3500, 0.1685, 0.5559

Previews

White Background



This preview shows how the XYZ color 21.3518, 10.4071, 33.2312 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

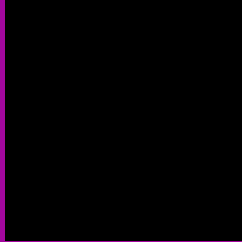
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.3518, 10.4071, 33.2312

Background



This preview shows how black text looks on a background with the XYZ color 21.3518, 10.4071, 33.2312.



This preview shows how white text looks on a background with the XYZ color 21.3518, 10.4071,

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

21.3518, 10.4071, 33.2312

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

11.1841, 10.9589, 29.5428



Tritanopia

15.8429, 10.6109, 6.3674

Trichromacy



Original Color

21.3518, 10.4071, 33.2312



Protanomaly

11.4554, 7.3759, 42.9394



Deuteranomaly

12.4271, 8.3089, 30.6546



Tritanomaly

16.9847, 9.7249, 12.7863

Monochromacy



Original Color

21.3518, 10.4071, 33.2312



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.2141, 6.0362, 13.5114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3518, 10.4071, 33.2312 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, 7, 158)` looks like.

```
.text, #text, p{  
    color:rgb(163, 7, 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(163, 7, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 7, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.3518, 10.4071, 33.2312 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, 7, 158) }
```


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

```
.border{ border-color:rgb(163, 7, 158) }
```

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

Here you see how a box with a 4 pixel rgb(163, 7, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 7, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 7, 158);  
box-shadow:4px 4px 4px 4px rgb(163, 7,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3518, 10.4071, 33.2312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 7, 158) }
```

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

```
.background{ background-color: rgb(163, 7,  
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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