

Converting Colors

XYZ(21.3624, 10.7402, 35.5978)

Have a look what the booklet for
XYZ(21.3624, 10.7402, 35.5978)
contains.

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Color

**XYZ(21.4347, 10.7712,
35.5996)**

Conversions

Conversions Part 1

Format	Color
Hex	A018A3
RGB	160, 24, 163
RGB Percent	63%, 9%, 64%
CMY	0.3725, 0.9058, 0.3608
CMYK	0.02, 0.85, 0.00, 0.36
HSL	299°, 74%, 37%
HSV	299°, 85%, 64%
XYZ	21.4347, 10.7712, 35.5996
YIQ	80.5100, 36.4370, 72.0610

Conversions

Conversions Part 2

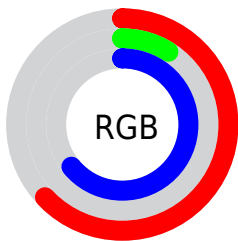
Format	Color
R_{YB}	160, 24, 163
Decimal	10492067
CIE _{Lab}	39.19, 66.44, -42.62
CIE _{LCh}	39, 78.940, 327.321
Yxy	10.7712, 0.3161, 0.1589
Android (android.graphics.Color)	4288682147 (0xFFA018A3)
YUV	80.5100, 40.6676, 69.7127
Hunter-Lab	32.8195, 59.1457, -41.3387

Details

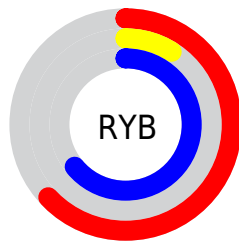
The XYZ color **21.4347, 10.7712, 35.5996** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.7144, 26.4936, 5.2556**, and the grayscale version is **7.6435, 8.0416, 8.7573**.

A 20% lighter version of the original color is **45.2720, 27.1647, 69.8750**, and **8.5234, 4.0688, 15.0880** is the 20% darker color. If you saturate the color by 10%, you get **21.1218, 10.2492, 35.5155**, and if you desaturate by 10%, it is **21.9480, 11.6929, 35.7506**.

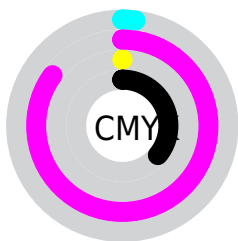
Distribution



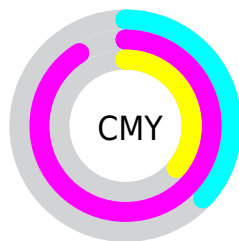
- Red (63%)
- Green (9%)
- Blue (64%)



- Red (63%)
- Yellow (9%)
- Blue (64%)



- Cyan (2%)
- Magenta (85%)
- Yellow (0%)
- Black (36%)





- Cyan (37%)
- Magenta (91%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4347, 10.7712, 35.5996 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 21.4347, 10.7712, 35.5996 by changing the saturation by 10% instead.


 21.4347, 10.7712,
35.5996


 21.4347, 10.7712,
35.5996


252.2680,
196.0910, 342.1914


 13.5564, 5.9132,
23.8379


 45.2957, 27.2363,
69.5757


 7.8924, 2.7924,
15.0023


 62.0092, 39.6122,
92.6271


 4.0774, 1.0243,
8.6744


 82.3983, 55.2628,
120.2789

 1.7460, 0.0000,
4.4355

 106.8286, 74.5726,
152.9495

 0.4848, 0.0000,
1.8672

 135.6654, 97.9259,
191.0575

 0.0000, 0.0000,
0.4717

 169.2740,

 0.0000, 0.0000,

125.7072, 235.0215

0.0000

208.0197,
158.3007, 285.2599

■ 21.4347, 10.7712,
35.5996

■ 21.4347, 10.7712,
35.5996

■ 21.1218, 10.2492,
35.5155

■ 21.9480, 11.6929,
35.7506

■ 21.0050, 10.0648,
35.4860

■ 22.6932, 13.0785,
35.9788

■ 23.6967, 14.9804,
36.2930

■ 24.9810, 17.4435,
36.7007

■ 26.5660, 20.5077,
37.2086

■ 28.4699, 24.2096,
37.8228

■ 30.7096, 28.5826,
38.5489

■ 33.3005, 33.6578,
39.3919

■ 36.2573, 39.4645,
40.3569

Harmonies

Analogous

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



15.6638, 10.7712, 61.4665



21.4347, 10.7712, 35.5996



24.1650, 10.7712, 13.1459

Triad

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



21.4347, 10.7712, 35.5996



10.7215, 10.7712, 0.0000



3.5902, 10.7712, 30.8720

Complementary

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



21.4347, 10.7712, 35.5996



13.7144, 26.4936, 5.2556

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.



3.0590, 10.7712, 10.4159



21.4347, 10.7712, 35.5996



6.2364, 10.7712, 0.0000

Square

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



21.4347, 10.7712, 35.5996



16.7851, 10.7712, 0.0789



3.8324, 10.7712, 1.9736



5.6621, 10.7712, 57.4414

Rectangle

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



21.4347, 10.7712, 35.5996



23.3742, 10.7712, 5.0078



3.8324, 10.7712, 1.9736



3.2651, 10.7712, 22.7405

Sweetspot

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



21.4351, 10.7717, 35.5998



50.5428, 42.4914, 67.5939



7.4184, 3.6999, 34.9736



11.0907, 9.0355, 15.0970



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.



21.4351, 10.7717, 35.5998



37.5949, 18.0132, 63.5515



17.6422, 9.3246, 12.4594



7.3492, 7.1944, 8.9044



16.3299, 7.8249, 27.5794



0.3475, 0.1667, 0.5797

Inverse Universe

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



15.6290, 8.5194, 1.8580



27.0756, 13.9551, 1.3977



15.2719, 27.1079, 13.8504



7.0797, 7.0883, 7.4060



11.7560, 6.0585, 0.6398



0.2488, 0.1280, 0.0227

Previews

White Background



This preview shows how the XYZ color 21.4347, 10.7712, 35.5996 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

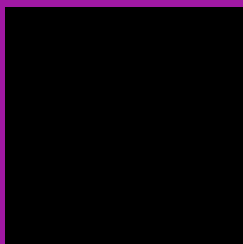
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4347, 10.7712, 35.5996

Background



This preview shows how black text looks on a background with the XYZ color 21.4347, 10.7712, 35.5996.



This preview shows how white text looks on a background with the XYZ color 21.4347, 10.7712,

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

21.4347, 10.7712, 35.5996

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

11.4663, 11.1793, 32.1253



Tritanopia

15.7222, 10.9533, 7.2468

Trichromacy



Original Color

21.4347, 10.7712, 35.5996



Protanomaly

12.0336, 8.1322, 44.6515



Deuteranomaly

12.8300, 9.0702, 32.9728



Tritanomaly

17.0089, 10.2372, 14.1762

Monochromacy



Original Color

21.4347, 10.7712, 35.5996



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

10.9155, 7.6944, 15.9488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4347, 10.7712, 35.5996 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, 24, 163)` looks like.

```
.text, #text, p{  
    color:rgb(160, 24, 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, 24, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 24, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.4347, 10.7712, 35.5996 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, 24, 163) }
```


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

```
.border{ border-color:rgb(160, 24, 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, 24, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 24, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 24, 163);  
box-shadow:4px 4px 4px 4px rgb(160, 24,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4347, 10.7712, 35.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 24, 163) }
```

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

```
.background{ background-color: rgb(160, 24,  
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](#).

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