

Converting Colors

XYZ(21.6562, 11.7911, 34.2329)

Have a look what the booklet for
XYZ(21.6562, 11.7911, 34.2329)
contains.

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Color

**XYZ(21.7430, 11.8130,
34.3919)**

Conversions

Conversions Part 1

Format	Color
Hex	A02CA0
RGB	160, 44, 160
RGB Percent	63%, 17%, 63%
CMY	0.3725, 0.8274, 0.3725
CMYK	0.00, 0.72, 0.00, 0.37
HSL	300°, 57%, 40%
HSV	300°, 72%, 63%
XYZ	21.7430, 11.8130, 34.3919
YIQ	91.9080, 31.9000, 60.6680

Conversions

Conversions Part 2

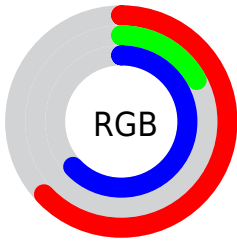
Format	Color
R _Y B	160, 44, 160
Decimal	10497184
CIE Lab	40.92, 60.46, -38.07
CIE LCh	41, 71.450, 327.802
Yxy	11.8130, 0.3200, 0.1739
Android (android.graphics.Color)	4288687264 (0xFFA02CA0)
YUV	91.9080, 33.5694, 59.7167
Hunter-Lab	34.3700, 52.7742, -35.2687

Details

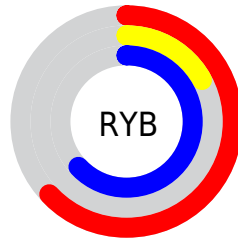
The XYZ color **21.7430, 11.8130, 34.3919** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **14.0646, 25.8594, 6.6336**, and the grayscale version is **10.0724, 10.5969, 11.5401**.

A 20% lighter version of the original color is **45.8329, 29.1191, 67.4949**, and **8.5325, 4.0860, 14.5263** is the 20% darker color. If you saturate the color by 10%, you get **21.2579, 10.8425, 34.2303**, and if you desaturate by 10%, it is **22.4587, 13.2441, 34.6306**.

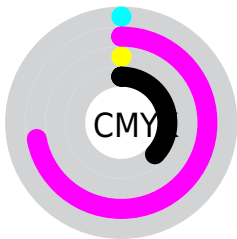
Distribution



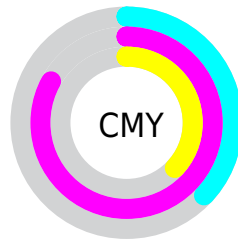
- Red (63%)
- Green (17%)
- Blue (63%)



- Red (63%)
- Yellow (17%)
- Blue (63%)



- Cyan (0%)
- Magenta (72%)
- Yellow (0%)
- Black (37%)



- Cyan (37%)
- Magenta (83%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7430, 11.8130, 34.3919 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 21.7430, 11.8130, 34.3919 by changing the saturation by 10% instead.

21.7430, 11.8130,
34.3919

21.7430, 11.8130,
34.3919

253.8589,
203.1633, 336.6983

13.7837, 6.6165,
22.9150

45.8029, 29.1541,
67.6835

8.0511, 3.2234,
14.3261

62.6342, 42.0674,
90.3353

4.1797, 1.2495,
8.2065

83.1536, 58.3218,
117.5492

1.8043, 0.1016,
4.1377

107.7264, 78.3016,
149.7436

0.5203, 0.0000,
1.7012

136.7180,
102.3913, 187.3372

0.0000, 0.0000,
0.3615

170.4937,

0.0000, 0.0000,

130.9752, 230.7485

0.0000

209.4189,
164.4378, 280.3961

■ 21.7430, 11.8130,
34.3919

■ 21.7430, 11.8130,
34.3919

■ 21.2579, 10.8425,
34.2303

■ 22.4587, 13.2441,
34.6306

■ 20.9741, 10.2748,
34.1356

■ 23.4274, 15.1815,
34.9535

■ 20.8425, 10.0117,
34.0918

■ 24.6702, 17.6671,
35.3678

■ 26.2058, 20.7382,
35.8797

■ 28.0510, 24.4286,
36.4947

■ 30.2216, 28.7698,
37.2183

■ 32.7321, 33.7908,
38.0552

■ 35.5963, 39.5193,
39.0099

■ 38.8272, 45.9810,
40.0869

Harmonies

Analogous

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



16.4530, 11.8130, 57.1560



21.7430, 11.8130, 34.3919



24.1601, 11.8130, 13.9705

Triad

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



21.7430, 11.8130, 34.3919



11.6084, 11.8130, 0.0000



4.5939, 11.8130, 30.9197

Complementary

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



21.7430, 11.8130, 34.3919



14.0646, 25.8594, 6.6336

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.



4.0013, 11.8130, 11.8144



21.7430, 11.8130, 34.3919



7.2458, 11.8130, 0.5135

Square

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



21.7430, 11.8130, 34.3919



17.3083, 11.8130, 0.7051



4.8044, 11.8130, 2.9488



6.7699, 11.8130, 54.2923

Rectangle

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



21.7430, 11.8130, 34.3919



23.3975, 11.8130, 6.0432



4.8044, 11.8130, 2.9488



4.2383, 11.8130, 23.5053

Sweetspot

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



21.7435, 11.8135, 34.3921



50.9584, 44.4075, 66.2722



8.2851, 4.8755, 33.7624



10.9793, 9.3460, 14.4689



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7435, 11.8135, 34.3921



38.2399, 18.9706, 62.0324



17.7967, 10.2348, 13.6088



6.9042, 6.7546, 8.3466



16.2359, 7.7989, 26.5567



0.2903, 0.1394, 0.4748

Inverse Universe

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



21.7435, 11.8135, 34.3921



38.2399, 18.9706, 62.0324



16.0083, 26.6368, 16.8689



6.9042, 6.7546, 8.3466



16.2359, 7.7989, 26.5567



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 21.7430, 11.8130, 34.3919 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 21.7430, 11.8130, 34.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

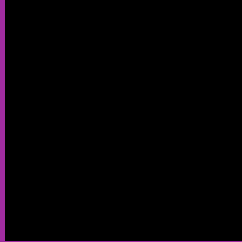
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7430, 11.8130, 34.3919

Background



This preview shows how black text looks on a background with the XYZ color 21.7430, 11.8130, 34.3919.



This preview shows how white text looks on a background with the XYZ color 21.7430, 11.8130,

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

21.7430, 11.8130, 34.3919

Protanopia

14.4280, 12.1755, 56.2333

Deuteranopia

12.3964, 12.0816, 31.3844



Tritanopia

16.5202, 11.8945, 8.6329

Trichromacy



Original Color

21.7430, 11.8130, 34.3919



Protanomaly

13.0863, 9.5712, 47.0566



Deuteranomaly

14.1203, 10.6401, 32.3199



Tritanomaly

17.7558, 11.3980, 15.4516

Monochromacy



Original Color

21.7430, 11.8130, 34.3919



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

13.0631, 10.0984, 18.0903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7430, 11.8130, 34.3919 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, 44, 160)` looks like.

```
.text, #text, p{  
    color:rgb(160, 44, 160)  
}
```

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, 44, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 44, 160) }
```

Border

The CSS property to change the border of an element to XYZ 21.7430, 11.8130, 34.3919 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, 44, 160) }
```


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

```
.border{ border-color:rgb(160, 44, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 44, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 44, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 44, 160);  
box-shadow:4px 4px 4px 4px rgb(160, 44,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7430, 11.8130, 34.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 44, 160) }
```

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

```
.background{ background-color: rgb(160, 44,  
160) }
```

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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