

Converting Colors

XYZ(24.1232, 21.8931, 33.4007)

Have a look what the booklet for
XYZ(24.1232, 21.8931, 33.4007)
contains.

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Color

**XYZ(24.1717, 21.9371,
33.5322)**

Conversions

Conversions Part 1

Format	Color
Hex	90799A
RGB	144, 121, 154
RGB Percent	56%, 47%, 60%
CMY	0.4353, 0.5255, 0.3961
CMYK	0.06, 0.21, 0.00, 0.40
HSL	282°, 14%, 54%
HSV	282°, 21%, 60%
XYZ	24.1717, 21.9371, 33.5322
YIQ	131.6390, 3.1150, 15.1390

Conversions

Conversions Part 2

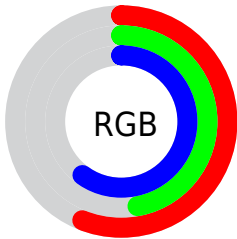
Format	Color
R_{YB}	144, 121, 154
Decimal	9468314
CIE _{Lab}	53.96, 15.23, -14.44
CIE _{LCh}	54, 20.987, 316.523
Yxy	21.9371, 0.3035, 0.2754
Android (android.graphics.Color)	4287658394 (0xFF90799A)
YUV	131.6390, 11.0240, 10.8406
Hunter-Lab	46.8371, 10.1555, -9.6617

Details

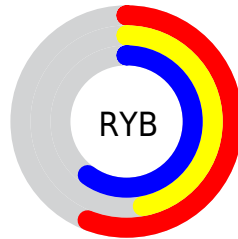
The XYZ color **24.1717, 21.9371, 33.5322** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.3676, 29.3176, 22.4647**, and the grayscale version is **21.7636, 22.8970, 24.9349**.

A 20% lighter version of the original color is **49.6174, 46.4470, 66.0245**, and **9.2797, 7.9412, 13.8757** is the 20% darker color. If you saturate the color by 10%, you get **21.6494, 18.0774, 32.9205**, and if you desaturate by 10%, it is **27.0278, 26.4136, 34.2461**.

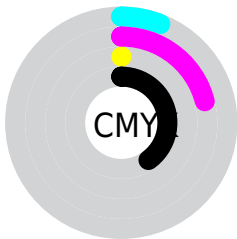
Distribution



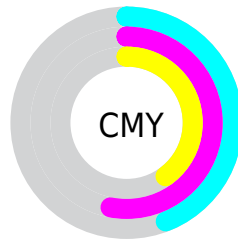
- Red (56%)
- Green (47%)
- Blue (60%)



- Red (56%)
- Yellow (47%)
- Blue (60%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (40%)



- Cyan (44%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1717, 21.9371, 33.5322 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 24.1717, 21.9371, 33.5322 by changing the saturation by 10% instead.

■ 24.1717, 21.9371,
33.5322

■ 24.1717, 21.9371,
33.5322

266.1118,
262.2176, 332.7463

■ 15.5865, 13.8107,
22.2600

■ 49.7629, 46.6420,
66.3311

■ 9.3210, 7.9891,
13.8479

■ 67.4995, 63.9893,
88.6949

■ 5.0099, 4.0880,
7.8774

■ 89.0174, 85.1790,
115.5929

■ 2.2879, 1.7229,
3.9300

114.6818,
110.5955, 147.4438

■ 0.7885, 0.4384,
1.5870

144.8580,
140.6233, 184.6661

■ 0.0000, 0.0000,
0.2815

179.9116,

■ 0.0000, 0.0000,

175.6466, 227.6782

0.0000

220.2077,
216.0499, 276.8988

■ 24.1717, 21.9371,
33.5322

■ 24.1717, 21.9371,
33.5322

■ 21.6494, 18.0774,
32.9205

■ 27.0278, 26.4136,
34.2461

■ 19.4444, 14.8031,
32.4047

■ 30.2293, 31.5307,
35.0650

■ 17.5416, 12.0845,
31.9802

■ 33.7897, 37.3144,
35.9937

■ 15.9238, 9.8878,
31.6415

■ 37.7211, 43.7884,
37.0361

■ 14.5722, 8.1756,
31.3823

■ 42.0350, 50.9750,
38.1959

■ 13.4650, 6.9055,
31.1955

■ 46.7425, 58.8959,
39.4767

■ 12.5769, 6.0273,
31.0728

■ 51.8541, 67.5715,
40.8818

■ 11.9363, 5.4796,
31.0008

■ 57.3798, 77.0217,
42.4147

■ 61.8432, 84.2926,
43.5829

Harmonies

Analogous

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



22.1133, 21.9371, 37.9430



24.1717, 21.9371, 33.5322



25.3769, 21.9371, 26.9109

Triad

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



24.1717, 21.9371, 33.5322



21.8817, 21.9371, 13.6973



16.9493, 21.9371, 27.6097

Complementary

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



24.1717, 21.9371, 33.5322



24.3676, 29.3176, 22.4647

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.



16.8972, 21.9371, 21.0963



24.1717, 21.9371, 33.5322



19.6369, 21.9371, 13.8160

Square

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



24.1717, 21.9371, 33.5322



23.9916, 21.9371, 15.9330



17.8485, 21.9371, 16.2933



17.9963, 21.9371, 34.1230

Rectangle

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



24.1717, 21.9371, 33.5322



25.4816, 21.9371, 22.4974



17.8485, 21.9371, 16.2933



16.8176, 21.9371, 25.3302

Sweetspot

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



24.1724, 21.9380, 33.5327



52.1041, 52.7667, 62.9751



21.8956, 22.7527, 33.8099



11.7153, 11.8185, 14.2341



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.1724, 21.9380, 33.5327



41.5019, 36.1425, 60.3251



25.5058, 22.6822, 31.0306



6.2789, 6.2297, 7.8005



9.7620, 4.4835, 25.2586



0.1823, 0.0858, 0.3793

Inverse Universe

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



24.2613, 22.1844, 24.4770



41.7541, 36.7126, 40.4568



23.2756, 28.7104, 24.4116



6.2820, 6.2520, 6.8652



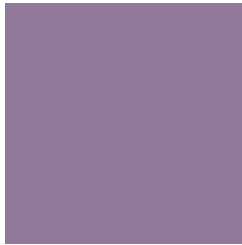
11.2843, 5.7680, 2.7564



0.1835, 0.0921, 0.1191

Previews

White Background



This preview shows how the XYZ color 24.1717, 21.9371, 33.5322 looks on a white 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

Black Background



This preview shows how the XYZ color 24.1717, 21.9371, 33.5322 looks on a black 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

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

XYZ 24.1717, 21.9371, 33.5322

Background



This preview shows how black text looks on a background with the XYZ color 24.1717, 21.9371, 33.5322.



This preview shows how white text looks on a background with the XYZ color 24.1717, 21.9371,

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

24.1717, 21.9371, 33.5322

Protanopia

22.0032, 22.0791, 35.9029

Deuteranopia

22.4165, 21.9674, 33.1957



Tritanopia

22.6212, 22.0512, 25.6183

Trichromacy



Original Color

24.1717, 21.9371, 33.5322

Protanomaly

22.6253, 21.8474, 34.9228

Deuteranomaly

22.9491, 21.8661, 33.1480

Tritanomaly

23.1707, 22.0892, 28.2417

Monochromacy



Original Color

24.1717, 21.9371, 33.5322

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.6061, 22.5660, 27.9752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1717, 21.9371, 33.5322 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(144, 121, 154)` looks like.

```
.text, #text, p{  
    color:rgb(144, 121, 154)  
}
```

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(144, 121, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 121, 154) }
```

Border

The CSS property to change the border of an element to XYZ 24.1717, 21.9371, 33.5322 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(144, 121, 154) }
```


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

```
.border{ border-color:rgb(144, 121, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 121, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 121, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 121, 154);  
box-shadow:4px 4px 4px 4px rgb(144, 121,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1717, 21.9371, 33.5322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 121, 154) }
```

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

```
.background{ background-color: rgb(144,  
121, 154) }
```

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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