

Converting Colors

XYZ(24.1782, 21.2317, 40.0164)

Have a look what the booklet for
XYZ(24.1782, 21.2317, 40.0164)
contains.

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Color

**XYZ(24.1938, 21.2730,
39.8767)**

Conversions

Conversions Part 1

Format	Color
Hex	8B76A8
RGB	139, 118, 168
RGB Percent	55%, 46%, 66%
CMY	0.4549, 0.5372, 0.3412
CMYK	0.17, 0.30, 0.00, 0.34
HSL	265°, 22%, 56%
HSV	265°, 30%, 66%
XYZ	24.1938, 21.2730, 39.8767
YIQ	129.9790, -3.5340, 20.0020

Conversions

Conversions Part 2

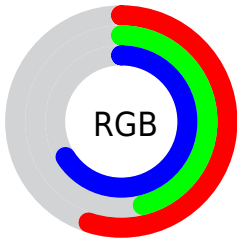
Format	Color
R_{YB}	139, 118, 168
Decimal	9139880
CIE _{Lab}	53.25, 18.40, -23.70
CIE _{LCh}	53, 30.005, 307.823
Yxy	21.2730, 0.2835, 0.2493
Android (android.graphics.Color)	4287329960 (0xFF8B76A8)
YUV	129.9790, 18.7444, 7.9114
Hunter-Lab	46.1227, 12.9181, -18.9750

Details

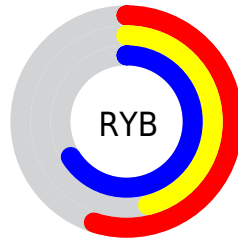
The XYZ color **24.1938, 21.2730, 39.8767** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.3059, 35.5168, 22.4513**, and the grayscale version is **21.1480, 22.2494, 24.2296**.

A 20% lighter version of the original color is **49.6863, 45.4146, 75.9592**, and **9.3050, 7.5919, 17.4980** is the 20% darker color. If you saturate the color by 10%, you get **20.8338, 16.8613, 39.2026**, and if you desaturate by 10%, it is **28.0526, 26.4659, 40.6760**.

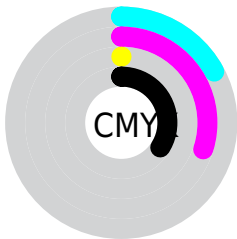
Distribution



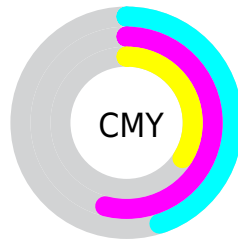
- Red (55%)
- Green (46%)
- Blue (66%)



- Red (55%)
- Yellow (46%)
- Blue (66%)



- Cyan (17%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)



- Cyan (45%)
- Magenta (54%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1938, 21.2730, 39.8767 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 24.1938, 21.2730, 39.8767 by changing the saturation by 10% instead.

■ 24.1938, 21.2730,
39.8767

■ 24.1938, 21.2730,
39.8767

266.2211,
258.7258, 361.1402

■ 15.6030, 13.3237,
27.1294

■ 49.7986, 45.5414,
76.2108

■ 9.3327, 7.6518,
17.4371

■ 67.5434, 62.6294,
100.6346

■ 5.0177, 3.8730,
10.3814

■ 89.0701, 83.5323,
129.7876

■ 2.2925, 1.6028,
5.5437

114.7441,
108.6346, 164.0884

■ 0.7908, 0.3595,
2.5054

144.9309,
138.3208, 203.9555

■ 0.0000, 0.0000,
0.8430

179.9958,

■ 0.0000, 0.0000,

172.9751, 249.8075

0.0000

220.3041,
212.9819, 302.0629

■ 24.1938, 21.2730,
39.8767

■ 24.1938, 21.2730,
39.8767

■ 20.8338, 16.8613,
39.2026

■ 28.0526, 26.4659,
40.6760

■ 17.9481, 13.1889,
38.6458

■ 32.4290, 32.4739,
41.6050

■ 15.5129, 10.2138,
38.1999

■ 37.3435, 39.3321,
42.6697

■ 13.5015, 7.8884,
37.8571

■ 42.8145, 47.0726,
43.8754

■ 11.8839, 6.1592,
37.6086

■ 48.8599, 55.7259,
45.2271

■ 10.6254, 4.9634,
37.4441

■ 55.4964, 65.3210,
46.7293

■ 9.6557, 4.1677,
37.3416

■ 62.7403, 75.8857,
48.3867

■ 9.6343, 4.1502,
37.3394

■ 70.6069, 87.4464,
50.2036

■ 74.4115, 90.6291,
50.6174

Harmonies

Analogous

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



21.0607, 21.2730, 45.1283



24.1938, 21.2730, 39.8767



26.4078, 21.2730, 30.3997

Triad

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



24.1938, 21.2730, 39.8767



22.6095, 21.2730, 10.4628



14.7601, 21.2730, 25.6218

Complementary

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



24.1938, 21.2730, 39.8767



29.3059, 35.5168, 22.4513

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.



15.0821, 21.2730, 17.1763



24.1938, 21.2730, 39.8767



19.4007, 21.2730, 9.8119

Square

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



24.1938, 21.2730, 39.8767



25.4286, 21.2730, 14.0194



16.7059, 21.2730, 11.9255



15.7751, 21.2730, 35.6066

Rectangle

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



24.1938, 21.2730, 39.8767



26.9452, 21.2730, 23.8325



16.7059, 21.2730, 11.9255



14.7177, 21.2730, 22.5056

Sweetspot

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



24.1945, 21.2739, 39.8772



59.3499, 59.6252, 75.6058



24.9995, 27.5987, 41.0556



12.6787, 12.6399, 16.4236



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.1945, 21.2739, 39.8772



39.6019, 32.9320, 71.4944



28.8224, 23.6596, 40.0938



7.4192, 7.4487, 9.4651



7.3314, 3.1629, 28.1996



0.2371, 0.1072, 0.6888

Inverse Universe

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



27.8940, 23.3891, 30.6488



47.6114, 37.5171, 51.2657



25.3230, 33.4635, 22.2649



7.7066, 7.6125, 8.7724



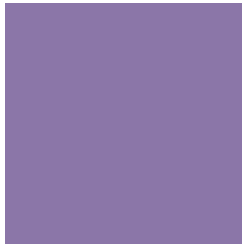
13.8656, 6.9550, 9.3698



0.3620, 0.1791, 0.3579

Previews

White Background



This preview shows how the XYZ color 24.1938, 21.2730, 39.8767 looks on a white background.

Color Contrast Check

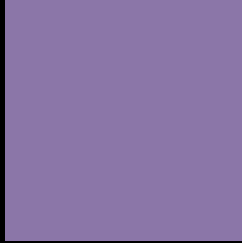
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1938, 21.2730, 39.8767 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 24.1938, 21.2730, 39.8767

Background



This preview shows how black text looks on a background with the XYZ color 24.1938, 21.2730, 39.8767.



This preview shows how white text looks on a background with the XYZ color 24.1938, 21.2730,

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

24.1938, 21.2730, 39.8767

Protanopia

21.9109, 21.4884, 43.0372

Deuteranopia

21.7799, 21.3088, 39.5243



Tritanopia

21.3096, 21.3750, 25.5569

Trichromacy



Original Color

24.1938, 21.2730, 39.8767

Protanomaly

22.5554, 21.2821, 41.9488

Deuteranomaly

22.5388, 21.1447, 39.4526

Tritanomaly

22.1395, 21.1453, 30.1087

Monochromacy



Original Color

24.1938, 21.2730, 39.8767

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.1678, 21.9219, 29.4485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1938, 21.2730, 39.8767 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(139, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(139, 118, 168)  
}
```

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(139, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 118, 168) }
```

Border

The CSS property to change the border of an element to XYZ 24.1938, 21.2730, 39.8767 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(139, 118, 168) }
```


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

```
.border{ border-color:rgb(139, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(139, 118,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1938, 21.2730, 39.8767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 118, 168) }
```

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

```
.background{ background-color: rgb(139,  
118, 168) }
```

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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