

Converting Colors

XYZ(21.8414, 19.9019, 41.1330)

Have a look what the booklet for
XYZ(21.8414, 19.9019, 41.1330)
contains.

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Color

**XYZ(21.8804, 19.8738,
41.2109)**

Conversions

Conversions Part 1

Format	Color
Hex	7B75AB
RGB	123, 117, 171
RGB Percent	48%, 46%, 67%
CMY	0.5176, 0.5412, 0.3294
CMYK	0.28, 0.32, 0.00, 0.33
HSL	247°, 24%, 56%
HSV	247°, 32%, 67%
XYZ	21.8804, 19.8738, 41.2109
YIQ	124.9500, -13.7580, 18.0660

Conversions

Conversions Part 2

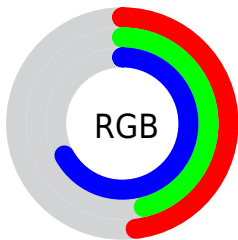
Format	Color
R_{YB}	123, 117, 171
Decimal	8091051
CIE _{Lab}	51.69, 14.65, -27.96
CIE _{LCh}	52, 31.564, 297.659
Yxy	19.8738, 0.2637, 0.2395
Android (android.graphics.Color)	4286281131 (0xFF7B75AB)
YUV	124.9500, 22.7026, -1.7102
Hunter-Lab	44.5800, 9.5948, -23.6031

Details

The XYZ color **21.8804, 19.8738, 41.2109** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.2912, 38.4099, 22.4896**, and the grayscale version is **19.4061, 20.4167, 22.2338**.

A 20% lighter version of the original color is **46.1846, 43.2691, 78.5906**, and **8.0706, 6.9420, 18.0541** is the 20% darker color. If you saturate the color by 10%, you get **18.0589, 15.2117, 40.5128**, and if you desaturate by 10%, it is **26.4048, 25.4394, 42.0471**.

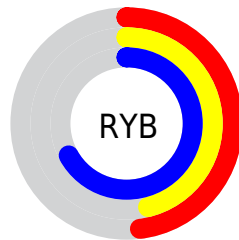
Distribution



Red (48%)

Green (46%)

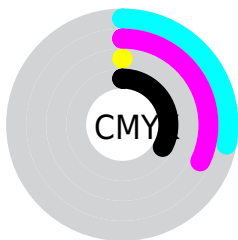
Blue (67%)



Red (48%)

Yellow (46%)

Blue (67%)

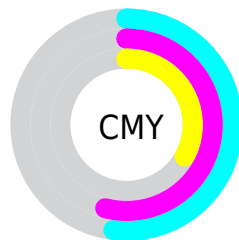


Cyan (28%)

Magenta (32%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8804, 19.8738, 41.2109 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 21.8804, 19.8738, 41.2109 by changing the saturation by 10% instead.

■ 21.8804, 19.8738,
41.2109

■ 21.8804, 19.8738,
41.2109

254.5652,
251.2311, 366.9040

■ 13.8852, 12.3033,
28.1630

■ 46.0286, 43.2055,
78.2611

■ 8.1220, 6.9506,
18.2084

■ 62.9122, 59.7355,
103.1004

■ 4.2256, 3.4312,
10.9287

■ 83.4894, 80.0209,
132.7073

■ 1.8305, 1.3608,
5.9054

108.1254,
104.4459, 167.5003

■ 0.5360, 0.1876,
2.7198

137.1856,
133.3951, 207.8979

■ 0.0000, 0.0000,
0.9534

171.0354,

■ 0.0000, 0.0000,

167.2527, 254.3187

0.0000

210.0401,
206.4033, 307.1812

■ 21.8804, 19.8738,
41.2109

■ 21.8804, 19.8738,
41.2109

■ 18.0589, 15.2117,
40.5128

■ 26.4048, 25.4394,
42.0471

■ 14.9030, 11.4031,
39.9440

■ 31.6630, 31.9503,
43.0266

■ 12.3748, 8.3966,
39.4969

■ 37.6863, 39.4485,
44.1565

■ 10.4319, 6.1345,
39.1627

■ 44.5039, 47.9729,
45.4425

■ 9.0264, 4.5511,
38.9311

■ 52.1432, 57.5601,
46.8904

■ 8.1028, 3.5692,
38.7903

■ 60.6304, 68.2450,
48.5055

■ 7.6193, 3.0788,
38.7211

■ 69.9905, 80.0610,
50.2929

■ 80.2475, 93.0399,
52.2574

■ 84.3508, 95.7203,
52.5585

Harmonies

Analogous

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



18.6402, 19.8738, 44.3472



21.8804, 19.8738, 41.2109



24.5564, 19.8738, 32.4549

Triad

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



21.8804, 19.8738, 41.2109



22.3621, 19.8738, 9.9374



13.4027, 19.8738, 20.9301

Complementary

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



21.8804, 19.8738, 41.2109



33.2912, 38.4099, 22.4896

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.



14.1692, 19.8738, 13.5408



21.8804, 19.8738, 41.2109



19.1409, 19.8738, 8.4108

Square

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



21.8804, 19.8738, 41.2109



24.8558, 19.8738, 14.4697



16.1843, 19.8738, 9.5167



13.9635, 19.8738, 30.8549

Rectangle

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



21.8804, 19.8738, 41.2109



25.5330, 19.8738, 25.6123



16.1843, 19.8738, 9.5167



13.5116, 19.8738, 18.0998

Sweetspot

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



21.8811, 19.8746, 41.2114



59.1878, 60.3041, 77.5222



28.2510, 33.8499, 43.5731



12.8719, 13.0414, 17.2265



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.8811, 19.8746, 41.2114



34.2057, 29.5083, 72.8947



26.1801, 22.0908, 41.4126



7.6585, 7.7983, 10.0543



5.7675, 2.3331, 29.1909



0.1861, 0.0781, 0.8133

Inverse Universe

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



29.9479, 24.0978, 38.6704



51.0465, 38.3310, 67.3149



28.3551, 35.8652, 22.2586



8.2982, 8.1325, 9.8809



16.9450, 8.2406, 23.1538



0.4821, 0.2335, 0.7003

Previews

White Background



This preview shows how the XYZ color 21.8804, 19.8738, 41.2109 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 21.8804, 19.8738, 41.2109 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 21.8804, 19.8738, 41.2109

Background



This preview shows how black text looks on a background with the XYZ color 21.8804, 19.8738, 41.2109.



This preview shows how white text looks on a background with the XYZ color 21.8804, 19.8738,

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

21.8804, 19.8738, 41.2109

Protanopia

20.5408, 19.8565, 42.7945

Deuteranopia

20.3996, 20.0095, 40.8173



Tritanopia

18.7132, 19.8495, 25.3993

Trichromacy



Original Color

21.8804, 19.8738, 41.2109

Protanomaly

21.0693, 19.9608, 42.2775

Deuteranomaly

20.7822, 19.8459, 40.7655

Tritanomaly

19.7116, 19.7033, 30.3680

Monochromacy



Original Color

21.8804, 19.8738, 41.2109

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.1542, 20.1571, 28.4197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8804, 19.8738, 41.2109 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(123, 117, 171)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 171)  
}
```

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(123, 117, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 171) }
```

Border

The CSS property to change the border of an element to XYZ 21.8804, 19.8738, 41.2109 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(123, 117, 171) }
```


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

```
.border{ border-color:rgb(123, 117, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 171);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8804, 19.8738, 41.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 171) }
```

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

```
.background{ background-color: rgb(123,  
117, 171) }
```

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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