

Converting Colors

XYZ(21.2880, 18.7272, 41.0212)

Have a look what the booklet for
XYZ(21.2880, 18.7272, 41.0212)
contains.

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Color

**XYZ(21.3132, 18.7396,
41.0218)**

Conversions

Conversions Part 1

Format	Color
Hex	7B70AB
RGB	123, 112, 171
RGB Percent	48%, 44%, 67%
CMY	0.5176, 0.5608, 0.3294
CMYK	0.28, 0.35, 0.00, 0.33
HSL	251°, 26%, 55%
HSV	251°, 35%, 67%
XYZ	21.3132, 18.7396, 41.0218
YIQ	122.0150, -12.3830, 20.6810

Conversions

Conversions Part 2

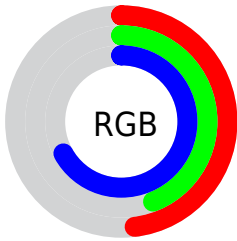
Format	Color
R_{YB}	123, 112, 171
Decimal	8089771
CIE _{Lab}	50.38, 17.64, -30.00
CIE _{LCh}	50, 34.801, 300.458
Yxy	18.7396, 0.2629, 0.2311
Android (android.graphics.Color)	4286279851 (0xFF7B70AB)
YUV	122.0150, 24.1496, 0.8638
Hunter-Lab	43.2893, 12.1272, -25.8820

Details

The XYZ color **21.3132, 18.7396, 41.0218** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.9853, 37.7697, 20.9345**, and the grayscale version is **18.4307, 19.3905, 21.1163**.

A 20% lighter version of the original color is **45.2720, 41.4441, 78.2865**, and **7.7759, 6.3525, 17.9559** is the 20% darker color. If you saturate the color by 10%, you get **17.7519, 14.3641, 40.3653**, and if you desaturate by 10%, it is **25.5170, 23.9790, 41.8119**.

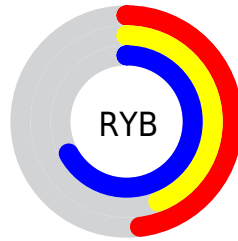
Distribution



Red (48%)

Green (44%)

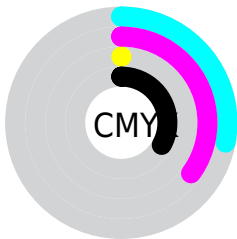
Blue (67%)



Red (48%)

Yellow (44%)

Blue (67%)

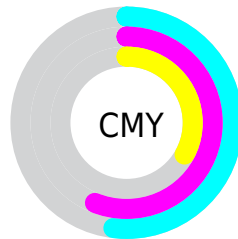


Cyan (28%)

Magenta (35%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (56%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3132, 18.7396, 41.0218 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 21.3132, 18.7396, 41.0218 by changing the saturation by 10% instead.

■ 21.3132, 18.7396,
41.0218

■ 21.3132, 18.7396,
41.0218

251.6387,
245.0074, 366.0911

■ 13.4669, 11.4823,
28.0163

■ 45.0956, 41.2936,
77.9710

■ 7.8300, 6.3922,
18.0988

■ 61.7623, 57.3591,
102.7518

■ 4.0373, 3.0850,
10.8508

■ 82.1000, 77.1294,
132.2948

■ 1.7232, 1.1763,
5.8537

■ 106.4738,
100.9890, 167.0184

■ 0.4708, 0.0422,
2.6890

135.2493,
129.3222, 207.3414

■ 0.0000, 0.0000,
0.9379

168.7917,

■ 0.0000, 0.0000,

162.5134, 253.6821

0.0000

207.4663,
200.9470, 306.4591

■ 21.3132, 18.7396,
41.0218

■ 21.3132, 18.7396,
41.0218

■ 17.7519, 14.3641,
40.3653

■ 25.5170, 23.9790,
41.8119

■ 14.7989, 10.8035,
39.8336

■ 30.3911, 30.1233,
42.7409

■ 12.4198, 8.0072,
39.4193

■ 35.9644, 37.2136,
43.8158

■ 10.5757, 5.9180,
39.1132

■ 42.2631, 45.2878,
45.0423

■ 9.2229, 4.4704,
38.9051

■ 49.3122, 54.3816,
46.4260

■ 8.3097, 3.5862,
38.7826

■ 57.1357, 64.5290,
47.9723

■ 7.9427, 3.2455,
38.7362

■ 65.7561, 75.7625,
49.6863

■ 75.1953, 88.1130,
51.5726

■ 81.8968, 94.4552,
52.4436

Harmonies

Analogous

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



17.8634, 18.7396, 45.2499



21.3132, 18.7396, 41.0218



24.0851, 18.7396, 31.0264

Triad

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



21.3132, 18.7396, 41.0218



21.2120, 18.7396, 8.1169



12.0708, 18.7396, 20.5534

Complementary

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



21.3132, 18.7396, 41.0218



31.9853, 37.7697, 20.9345

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.



12.7344, 18.7396, 12.5339



21.3132, 18.7396, 41.0218



17.7595, 18.7396, 6.8774

Square

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



21.3132, 18.7396, 41.0218



24.0217, 18.7396, 12.3487



14.7159, 18.7396, 8.1977



12.7760, 18.7396, 31.3684

Rectangle

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



21.3132, 18.7396, 41.0218



25.0202, 18.7396, 23.6479



14.7159, 18.7396, 8.1977



12.1402, 18.7396, 17.4716

Sweetspot

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



21.3139, 18.7403, 41.0222



58.5888, 59.2287, 77.3462



26.6360, 31.5908, 43.2221



12.7671, 12.8290, 17.1910



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.



21.3139, 18.7403, 41.0222



33.4519, 27.7512, 72.5953



26.1537, 21.2354, 41.2487



7.7131, 7.8264, 10.0568



6.0216, 2.4641, 29.2028



0.2077, 0.0893, 0.8143

Inverse Universe

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



28.9345, 22.7851, 36.1313



49.1865, 36.1120, 62.0674



26.7992, 35.0961, 20.6918



8.2721, 8.1221, 9.7435



16.1984, 7.9419, 19.2222



0.4670, 0.2275, 0.6208

Previews

White Background



This preview shows how the XYZ color 21.3132, 18.7396, 41.0218 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 21.3132, 18.7396, 41.0218 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 21.3132, 18.7396, 41.0218

Background



This preview shows how black text looks on a background with the XYZ color 21.3132, 18.7396, 41.0218.



This preview shows how white text looks on a background with the XYZ color 21.3132, 18.7396,

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

21.3132, 18.7396, 41.0218

Protanopia

19.6817, 18.8582, 43.6769

Deuteranopia

19.3320, 18.9207, 40.6634



Tritanopia

17.8160, 18.6895, 23.7875

Trichromacy



Original Color

21.3132, 18.7396, 41.0218

Protanomaly

20.1920, 18.7980, 42.6085

Deuteranomaly

19.9315, 18.7081, 40.5907

Tritanomaly

18.9433, 18.6185, 29.3834

Monochromacy



Original Color

21.3132, 18.7396, 41.0218

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.2381, 18.9879, 27.4620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3132, 18.7396, 41.0218 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, 112, 171)` looks like.

```
.text, #text, p{  
    color:rgb(123, 112, 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, 112, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 112, 171) }
```

Border

The CSS property to change the border of an element to XYZ 21.3132, 18.7396, 41.0218 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, 112, 171) }
```


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

```
.border{ border-color:rgb(123, 112, 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, 112, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 112, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 112, 171);  
box-shadow:4px 4px 4px 4px rgb(123, 112,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3132, 18.7396, 41.0218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 112, 171) }
```

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

```
.background{ background-color: rgb(123,  
112, 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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