

Converting Colors

XYZ(23.7724, 22.8797, 41.1758)

Have a look what the booklet for
XYZ(23.7724, 22.8797, 41.1758)
contains.

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Color

**XYZ(23.7273, 22.8526,
41.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	7F80AA
RGB	127, 128, 170
RGB Percent	50%, 50%, 67%
CMY	0.5020, 0.4980, 0.3333
CMYK	0.25, 0.25, 0.00, 0.33
HSL	239°, 20%, 58%
HSV	239°, 25%, 67%
XYZ	23.7273, 22.8526, 41.1907
YIQ	132.4890, -14.0780, 12.8500

Conversions

Conversions Part 2

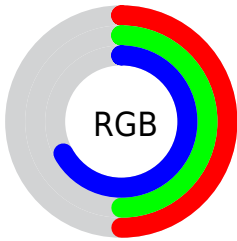
Format	Color
R_{YB}	127, 128, 170
Decimal	8356010
CIE _{Lab}	54.92, 9.14, -22.37
CIE _{LCh}	55, 24.165, 292.218
Yxy	22.8526, 0.2703, 0.2604
Android (android.graphics.Color)	4286546090 (0xFF7F80AA)
YUV	132.4890, 18.4929, -4.8139
Hunter-Lab	47.8044, 4.9393, -17.6242

Details

The XYZ color **23.7273, 22.8526, 41.1907** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **34.5968, 38.4548, 25.6786**, and the grayscale version is **22.0482, 23.1964, 25.2609**.

A 20% lighter version of the original color is **48.9369, 48.1873, 77.9560**, and **9.1266, 8.4778, 18.2949** is the 20% darker color. If you saturate the color by 10%, you get **19.4144, 17.6733, 40.4187**, and if you desaturate by 10%, it is **28.8233, 28.9628, 42.1019**.

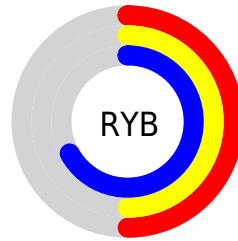
Distribution



Red (50%)

Green (50%)

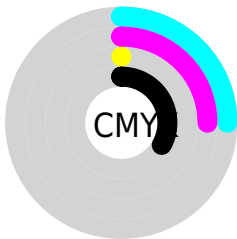
Blue (67%)



Red (50%)

Yellow (50%)

Blue (67%)

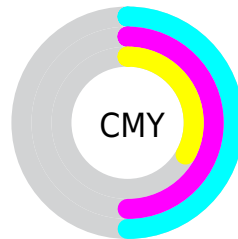


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (33%)



Cyan (50%)

Magenta (50%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7273, 22.8526, 41.1907 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 23.7273, 22.8526, 41.1907 by changing the saturation by 10% instead.

■ 23.7273, 22.8526,
41.1907

■ 23.7273, 22.8526,
41.1907

263.9050,
266.9670, 366.8172

■ 15.2551, 14.4847,
28.1473

■ 49.0427, 48.1512,
78.2301

■ 9.0861, 8.4586,
18.1967

■ 66.6167, 65.8507,
103.0632

■ 4.8549, 4.3897,
10.9204

■ 87.9553, 87.4295,
132.6633

■ 2.1963, 1.8939,
5.8998

113.4238,
113.2720, 167.4489

■ 0.7408, 0.5447,
2.7165

143.3877,
143.7626, 207.8385

■ 0.0000, 0.0000,
0.9517

178.2123,

■ 0.0000, 0.0000,

179.2857, 254.2508

0.0000

218.2630,
220.2257, 307.1042

■ 23.7273, 22.8526,
41.1907

■ 23.7273, 22.8526,
41.1907

■ 19.4144, 17.6733,
40.4187

■ 28.8233, 28.9628,
42.1019

■ 15.8438, 13.3768,
39.7776

■ 34.7362, 36.0435,
43.1570

■ 12.9742, 9.9145,
39.2605

■ 41.5005, 44.1355,
44.3624

■ 10.7596, 7.2323,
38.8595

■ 49.1479, 53.2763,
45.7236

■ 9.1483, 5.2697,
38.5657

■ 57.7088, 63.5014,
47.2461

■ 8.0809, 3.9574,
38.3686

■ 67.2119, 74.8448,
48.9347

■ 7.4846, 3.2113,
38.2560

■ 77.6846, 87.3391,
50.7944

■ 7.2987, 2.9881,
38.2227

■ 84.2558, 95.6823,
52.0584

Harmonies

Analogous

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



21.0306, 22.8526, 42.5480



23.7273, 22.8526, 41.1907



26.0515, 22.8526, 35.0593

Triad

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



23.7273, 22.8526, 41.1907



25.0319, 22.8526, 14.9494



17.0063, 22.8526, 22.9380

Complementary

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



23.7273, 22.8526, 41.1907



34.5968, 38.4548, 25.6786

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.



17.8986, 22.8526, 16.8945



23.7273, 22.8526, 41.1907



22.4257, 22.8526, 12.9413

Square

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



23.7273, 22.8526, 41.1907



26.8469, 22.8526, 19.7108



19.8306, 22.8526, 13.5717



17.2925, 22.8526, 30.8882

Rectangle

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



23.7273, 22.8526, 41.1907



27.0042, 22.8526, 29.6654



19.8306, 22.8526, 13.5717



17.1756, 22.8526, 20.6437

Sweetspot

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



23.7280, 22.8535, 41.1912



59.8099, 61.5485, 77.7296



30.2486, 36.1104, 42.6994



12.9775, 13.2941, 17.2697



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.



23.7280, 22.8535, 41.1912



38.7694, 36.3244, 73.9698



26.8904, 24.2911, 41.3020



7.1453, 7.3275, 9.4561



5.3747, 2.2096, 28.1187



0.1350, 0.0622, 0.6855

Inverse Universe

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



28.0639, 25.2841, 23.8241



47.9212, 41.4759, 37.3079



30.7715, 36.7600, 25.5531



7.5379, 7.5450, 7.8839



12.2135, 6.2941, 0.6699



0.2993, 0.1540, 0.0276

Previews

White Background



This preview shows how the XYZ color 23.7273, 22.8526, 41.1907 looks on a white background.

Color Contrast Check

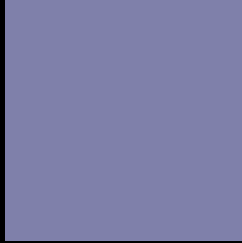
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7273, 22.8526, 41.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

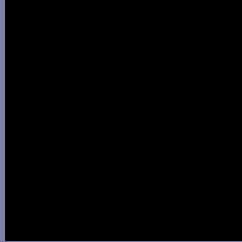
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7273, 22.8526, 41.1907

Background



This preview shows how black text looks on a background with the XYZ color 23.7273, 22.8526, 41.1907.



This preview shows how white text looks on a background with the XYZ color 23.7273, 22.8526,

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

23.7273, 22.8526, 41.1907

Protanopia

23.0790, 22.8986, 41.7316

Deuteranopia

23.4181, 22.8879, 41.2137



Tritanopia

21.3715, 22.8958, 29.2795

Trichromacy



Original Color

23.7273, 22.8526, 41.1907

Protanomaly

23.3693, 22.8517, 41.7072

Deuteranomaly

23.5634, 22.9628, 41.2205

Tritanomaly

22.1782, 22.8176, 33.3723

Monochromacy



Original Color

23.7273, 22.8526, 41.1907

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.5105, 23.0537, 30.4575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7273, 22.8526, 41.1907 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(127, 128, 170)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 170)  
}
```

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(127, 128, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 170) }
```

Border

The CSS property to change the border of an element to XYZ 23.7273, 22.8526, 41.1907 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(127, 128, 170) }
```


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

```
.border{ border-color:rgb(127, 128, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 128, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 170);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7273, 22.8526, 41.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 170) }
```

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

```
.background{ background-color: rgb(127,  
128, 170) }
```

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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