

Converting Colors

XYZ(23.7074, 21.0012, 56.8370)

Have a look what the booklet for
XYZ(23.7074, 21.0012, 56.8370)
contains.

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Color

**XYZ(23.7074, 21.0012,
56.8370)**

Conversions

Conversions Part 1

Format	Color
Hex	7078C7
RGB	112, 120, 199
RGB Percent	44%, 47%, 78%
CMY	0.5608, 0.5294, 0.2196
CMYK	0.44, 0.40, 0.00, 0.22
HSL	234°, 44%, 61%
HSV	234°, 44%, 78%
XYZ	23.7074, 21.0012, 56.8370
YIQ	126.6140, -30.1270, 22.8730

Conversions

Conversions Part 2

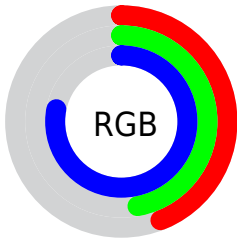
Format	Color
R_{YB}	112, 119, 199
Decimal	7370951
CIE _{Lab}	52.95, 17.54, -42.15
CIE _{LCh}	53, 45.657, 292.590
Yxy	21.0012, 0.2335, 0.2068
Android (android.graphics.Color)	4285561031 (0xFF7078C7)
YUV	126.6140, 35.6863, -12.8165
Hunter-Lab	45.8271, 12.1448, -41.4555

Details

The XYZ color **23.7074, 21.0012, 56.8370** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.1097, 50.5751, 22.7149**, and the grayscale version is **19.9305, 20.9684, 22.8346**.

A 20% lighter version of the original color is **48.7389, 44.9405, 100.7133**, and **9.1155, 7.5489, 27.7647** is the 20% darker color. If you saturate the color by 10%, you get **19.4775, 15.8934, 56.0745**, and if you desaturate by 10%, it is **28.9085, 27.2191, 57.7635**.

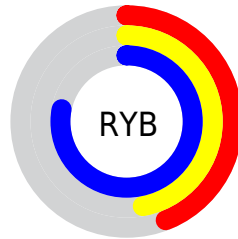
Distribution



Red (44%)

Green (47%)

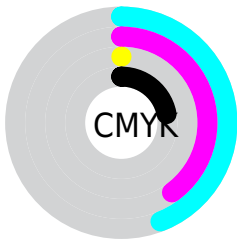
Blue (78%)



Red (44%)

Yellow (47%)

Blue (78%)

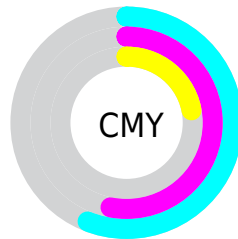


Cyan (44%)

Magenta (40%)

Yellow (0%)

Black (22%)



Cyan (56%)

Magenta (53%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7074, 21.0012, 56.8370 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 23.7074, 21.0012, 56.8370 by changing the saturation by 10% instead.

■ 23.7074, 21.0012,
56.8370

■ 23.7074, 21.0012,
56.8370

263.8059,
257.2849, 430.3149

■ 15.2403, 13.1249,
40.4659

■ 49.0105, 45.0895,
101.7253

■ 9.0756, 7.5146,
27.5854

■ 66.5771, 62.0703,
131.0795

■ 4.8480, 3.7860,
17.7771

■ 87.9076, 82.8547,
165.5986

■ 2.1922, 1.5546,
10.6223

113.3674,
107.8272, 205.7010

■ 0.7386, 0.3267,
5.7025

143.3217,
137.3720, 251.8053

■ 0.0000, 0.0000,
2.5992

178.1360,

■ 0.0000, 0.0000,

171.8736, 304.3300

0.8920

218.1756,
211.7165, 363.6937

■ 0.0000, 0.0000,
0.0000

■ 23.7074, 21.0012,
56.8370

■ 23.7074, 21.0012,
56.8370

■ 19.4775, 15.8934,
56.0745

■ 28.9085, 27.2191,
57.7635

■ 16.1561, 11.8281,
55.4648

■ 35.1337, 34.6051,
58.8610

■ 13.6767, 8.7336,
54.9982

■ 42.4347, 43.2156,
60.1382

■ 11.9627, 6.5281,
54.6628

■ 50.8592, 53.1028,
61.6026

■ 10.9231, 5.1163,
54.4451

■ 60.4520, 64.3158,
63.2613

■ 10.5300, 4.5658,
54.3596

■ 71.2553, 76.9012,
65.1212

■ 83.3094, 90.9033,
67.1885

■ 87.3089, 96.9036,
68.1359

Harmonies

Analogous

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



18.7979, 21.0012, 60.2066



23.7074, 21.0012, 56.8370



28.1961, 21.0012, 42.8978

Triad

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



23.7074, 21.0012, 56.8370



26.0877, 21.0012, 7.6745



12.1576, 21.0012, 19.6342

Complementary

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



23.7074, 21.0012, 56.8370



45.1097, 50.5751, 22.7149

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.



13.5092, 21.0012, 10.3048



23.7074, 21.0012, 56.8370



21.1712, 21.0012, 5.4274

Square

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



23.7074, 21.0012, 56.8370



29.7163, 21.0012, 14.1659



16.6317, 21.0012, 6.1476



12.6151, 21.0012, 34.5536

Rectangle

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



23.7074, 21.0012, 56.8370



30.0886, 21.0012, 31.6906



16.6317, 21.0012, 6.1476



12.4069, 21.0012, 15.8547

Sweetspot

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



23.7082, 21.0020, 56.8375



75.0258, 76.5209, 105.4235



36.4334, 48.0231, 56.2371



15.4049, 15.6094, 22.4509



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.7082, 21.0020, 56.8375



34.7397, 28.6006, 98.2972



28.1008, 21.8976, 56.7789



10.1338, 10.4417, 13.3988



6.7997, 2.9933, 34.9637



0.3495, 0.1968, 1.6647

Inverse Universe

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



32.7383, 25.0876, 20.8868



52.5931, 37.0152, 27.1433



38.7001, 49.9312, 22.9284



10.6728, 10.6525, 11.2603



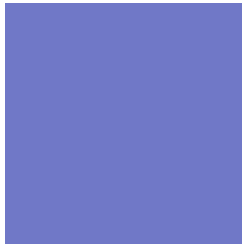
15.2315, 7.8422, 1.1629



0.7351, 0.3769, 0.1282

Previews

White Background



This preview shows how the XYZ color 23.7074, 21.0012, 56.8370 looks on a white background.

Color Contrast Check

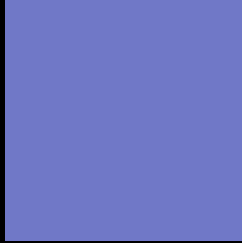
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7074, 21.0012, 56.8370 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 23.7074, 21.0012, 56.8370

Background



This preview shows how black text looks on a background with the XYZ color 23.7074, 21.0012, 56.8370.

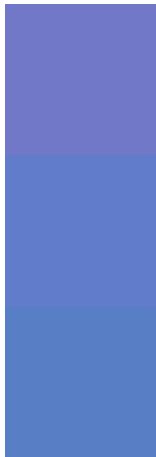


This preview shows how white text looks on a background with the XYZ color 23.7074, 21.0012,

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

23.7074, 21.0012, 56.8370

Protanopia

22.6922, 21.1664, 58.7666

Deuteranopia

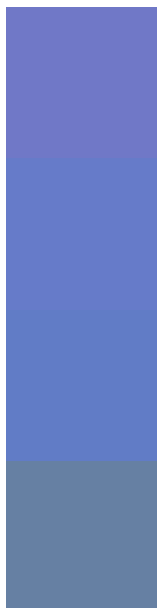
21.6784, 21.0736, 56.3511



Tritanopia

18.1390, 21.0271, 29.0892

Trichromacy



Original Color

23.7074, 21.0012, 56.8370

Protanomaly

23.1051, 21.2077, 58.1341

Deuteranomaly

22.3305, 21.0339, 56.3091

Tritanomaly

19.8095, 20.9075, 37.6418

Monochromacy



Original Color

23.7074, 21.0012, 56.8370

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.9835, 20.8528, 33.0560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7074, 21.0012, 56.8370 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(112, 120, 199)` looks like.

```
.text, #text, p{  
    color:rgb(112, 120, 199)  
}
```

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(112, 120, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 120, 199) }
```

Border

The CSS property to change the border of an element to XYZ 23.7074, 21.0012, 56.8370 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(112, 120, 199) }
```


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

```
.border{ border-color:rgb(112, 120, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 120, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 120, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 120, 199);  
box-shadow:4px 4px 4px 4px rgb(112, 120,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7074, 21.0012, 56.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 120, 199) }
```

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

```
.background{ background-color: rgb(112,  
120, 199) }
```

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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