

Converting Colors

XYZ(23.8974, 24.9641, 51.7031)

Have a look what the booklet for
XYZ(23.8974, 24.9641, 51.7031)
contains.

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Color

**XYZ(23.8974, 24.9641,
51.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	668BBD
RGB	102, 139, 189
RGB Percent	40%, 55%, 74%
CMY	0.6000, 0.4549, 0.2588
CMYK	0.46, 0.26, 0.00, 0.26
HSL	214°, 40%, 57%
HSV	214°, 46%, 74%
XYZ	23.8974, 24.9641, 51.7031
YIQ	133.6370, -38.1020, 7.7060

Conversions

Conversions Part 2

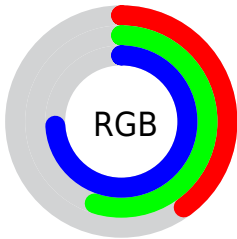
Format	Color
R _Y B	102, 128, 189
Decimal	6720445
CIE Lab	57.04, 0.75, -30.10
CIE LCh	57, 30.110, 271.426
Yxy	24.9641, 0.2376, 0.2482
Android (android.graphics.Color)	4284910525 (0xFF668BBD)
YUV	133.6370, 27.2940, -27.7456
Hunter-Lab	49.9641, -2.0621, -26.3787

Details

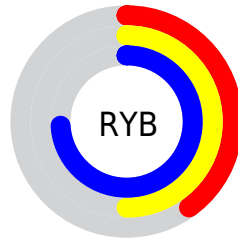
The XYZ color **23.8974, 24.9641, 51.7031** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.6136, 34.2356, 17.3552**, and the grayscale version is **22.4408, 23.6095, 25.7107**.

A 20% lighter version of the original color is **49.2357, 51.4599, 93.7240**, and **9.1178, 9.4984, 24.2745** is the 20% darker color. If you saturate the color by 10%, you get **20.4993, 20.9928, 51.1161**, and if you desaturate by 10%, it is **27.9418, 29.5016, 52.3662**.

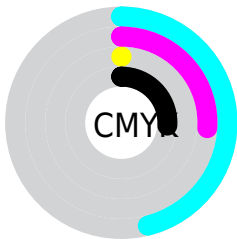
Distribution



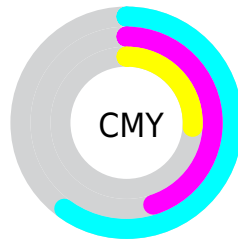
- Red (40%)
- Green (55%)
- Blue (74%)



- Red (40%)
- Yellow (50%)
- Blue (74%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)
- Black (26%)



- Cyan (60%)
- Magenta (45%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8974, 24.9641, 51.7031 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 23.8974, 24.9641, 51.7031 by changing the saturation by 10% instead.

■ 23.8974, 24.9641,
51.7031

■ 23.8974, 24.9641,
51.7031

264.7515,
277.6591, 410.2136

■ 15.3819, 16.0503,
36.3879

■ 49.3186, 51.5990,
94.1153

■ 9.1759, 9.5598,
24.4418

■ 66.9550, 70.0889,
122.0494

■ 4.9141, 5.1081,
15.4465

■ 88.3624, 92.5395,
155.0269

■ 2.2312, 2.3108,
8.9832

■ 113.9061,
119.3355, 193.4663

■ 0.7591, 0.7794,
4.6336

143.9515,
150.8610, 237.7861

■ 0.0000, 0.0000,
1.9790

178.8639,

■ 0.0000, 0.0000,

187.5005, 288.4049

0.5423

219.0088,
229.6384, 345.7412

■ 0.0000, 0.0000,
0.0000

■ 23.8974, 24.9641,
51.7031

■ 23.8974, 24.9641,
51.7031

■ 20.4993, 20.9928,
51.1161

■ 27.9418, 29.5016,
52.3662

■ 17.7067, 17.5584,
50.6004

■ 32.6648, 34.6269,
53.1066

■ 15.4779, 14.6329,
50.1532

■ 38.0993, 40.3636,
53.9275

■ 13.7640, 12.1836,
49.7708

■ 44.2753, 46.7333,
54.8314

■ 12.5035, 10.1710,
49.4487

■ 51.2211, 53.7562,
55.8209

■ 12.0818, 9.4671,
49.3351

■ 58.9632, 61.4517,
56.8982

■ 67.5272, 69.8382,
58.0656

■ 76.9371, 78.9335,
59.3252

■ 80.6407, 85.3649,
60.3714

Harmonies

Analogous

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



20.6181, 24.9641, 48.1511



23.8974, 24.9641, 51.7031



27.4572, 24.9641, 47.4445

Triad

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



23.8974, 24.9641, 51.7031



30.0239, 24.9641, 18.2306



18.2370, 24.9641, 18.8819

Complementary

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



23.8974, 24.9641, 51.7031



34.6136, 34.2356, 17.3552

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.



20.3521, 24.9641, 13.7079



23.8974, 24.9641, 51.7031



27.1351, 24.9641, 13.4028

Square

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



23.8974, 24.9641, 51.7031



31.2049, 24.9641, 26.6995



23.5587, 24.9641, 11.9781



17.5518, 24.9641, 27.6696

Rectangle

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



23.8974, 24.9641, 51.7031



29.4579, 24.9641, 41.2414



23.5587, 24.9641, 11.9781



18.7933, 24.9641, 16.7469

Sweetspot

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



23.8983, 24.9650, 51.7037



70.1330, 74.2659, 96.8646



29.2882, 41.4647, 35.8668



14.5947, 15.4634, 20.7581



90.7827, 95.5105, 104.0109



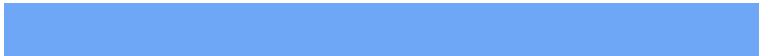
18.6292, 19.5994, 21.3438

Same Dimension

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



23.8983, 24.9650, 51.7037



36.7970, 37.6972, 91.5631



20.0977, 16.3535, 50.2418



9.3411, 9.8745, 12.0858



8.2014, 6.5146, 33.2181



0.3862, 0.3850, 1.3228

Inverse Universe

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



30.3986, 22.1866, 27.1072



50.1936, 33.3685, 40.5584



40.1725, 47.4468, 19.6123



9.6940, 9.6019, 10.7777



15.1405, 7.6873, 6.0334



0.6258, 0.3142, 0.4089

Previews

White Background



This preview shows how the XYZ color 23.8974, 24.9641, 51.7031 looks on a white background.

Color Contrast Check

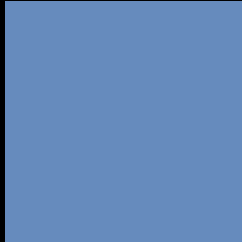
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8974, 24.9641, 51.7031 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 23.8974, 24.9641, 51.7031

Background



This preview shows how black text looks on a background with the XYZ color 23.8974, 24.9641, 51.7031.

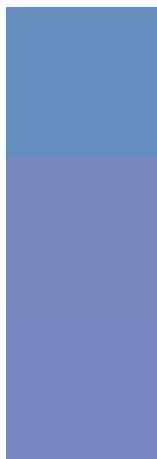


This preview shows how white text looks on a background with the XYZ color 23.8974, 24.9641,

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

23.8974, 24.9641, 51.7031

Protanopia

25.5529, 25.0107, 49.9351

Deuteranopia

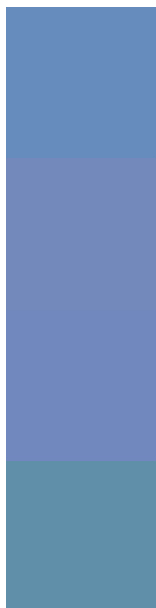
25.4295, 24.8972, 52.1806



Tritanopia

20.7254, 25.0123, 35.6338

Trichromacy



Original Color

23.8974, 24.9641, 51.7031

Protanomaly

24.8440, 24.8410, 50.4991

Deuteranomaly

24.7805, 24.7708, 52.1904

Tritanomaly

21.8078, 24.9963, 41.2115

Monochromacy



Original Color

23.8974, 24.9641, 51.7031

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.6629, 24.0790, 34.0251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8974, 24.9641, 51.7031 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(102, 139, 189)` looks like.

```
.text, #text, p{  
    color:rgb(102, 139, 189)  
}
```

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(102, 139, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 139, 189) }
```

Border

The CSS property to change the border of an element to XYZ 23.8974, 24.9641, 51.7031 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(102, 139, 189) }
```


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

```
.border{ border-color:rgb(102, 139, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 139, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 139, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 139, 189);  
box-shadow:4px 4px 4px 4px rgb(102, 139,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8974, 24.9641, 51.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 139, 189) }
```

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

```
.background{ background-color: rgb(102,  
139, 189) }
```

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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