

Converting Colors

XYZ(23.8972, 14.3764, 20.5842)

Have a look what the booklet for
XYZ(23.8972, 14.3764, 20.5842)
contains.

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Color

**XYZ(23.8972, 14.3764,
20.5842)**

Conversions

Conversions Part 1

Format	Color
Hex	B33D7C
RGB	179, 61, 124
RGB Percent	70%, 24%, 49%
CMY	0.2980, 0.7608, 0.5137
CMYK	0.00, 0.66, 0.31, 0.30
HSL	328°, 49%, 47%
HSV	328°, 66%, 70%
XYZ	23.8972, 14.3764, 20.5842
YIQ	103.4640, 50.1050, 44.6090

Conversions

Conversions Part 2

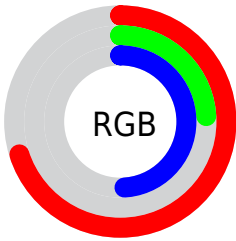
Format	Color
R_{YB}	179, 61, 124
Decimal	11746684
CIE _{Lab}	44.77, 53.65, -10.01
CIE _{LCh}	45, 54.573, 349.427
Yxy	14.3764, 0.4060, 0.2443
Android (android.graphics.Color)	4289936764 (0xFFB33D7C)
YUV	103.4640, 10.1242, 66.2451
Hunter-Lab	37.9162, 46.1486, -5.6464

Details

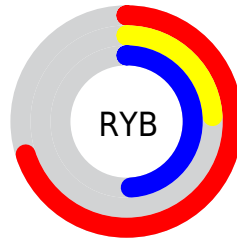
The XYZ color **23.8972, 14.3764, 20.5842** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.1977, 34.4936, 22.0656**, and the grayscale version is **12.9804, 13.6564, 14.8718**.

A 20% lighter version of the original color is **49.4411, 33.8422, 45.5213**, and **9.2960, 4.6456, 7.0633** is the 20% darker color. If you saturate the color by 10%, you get **22.5906, 12.5722, 17.6546**, and if you desaturate by 10%, it is **25.5681, 16.8376, 23.8558**.

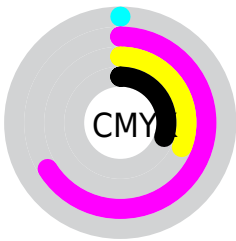
Distribution



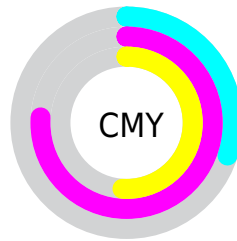
- Red (70%)
- Green (24%)
- Blue (49%)



- Red (70%)
- Yellow (24%)
- Blue (49%)



- Cyan (0%)
- Magenta (66%)
- Yellow (31%)
- Black (30%)



- Cyan (30%)
- Magenta (76%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8972, 14.3764, 20.5842 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 23.8972, 14.3764, 20.5842 by changing the saturation by 10% instead.

■ 23.8972, 14.3764,
20.5842

■ 23.8972, 14.3764,
20.5842

264.7505,
219.5600, 267.7685

■ 15.3817, 8.3829,
12.6321

■ 49.3183, 33.7554,
45.2663

■ 9.1758, 4.3409,
7.0480

■ 66.9546, 47.9097,
62.8333

■ 4.9140, 1.8660,
3.4132

■ 88.3619, 65.5531,
84.4425

■ 2.2311, 0.5278,
1.3093

■ 113.9055, 87.0700,
110.5123

■ 0.7591, 0.0000,
0.0694

■ 143.9508,
112.8447, 141.4612

■ 0.0000, 0.0000,
0.0000

178.8632,

143.2617, 177.7079

219.0079,
178.7053, 219.6708

■ 23.8972, 14.3764,
20.5842

■ 23.8972, 14.3764,
20.5842

■ 22.5906, 12.5722,
17.6546

■ 25.5681, 16.8376,
23.8558

■ 21.6128, 11.3560,
15.0493

■ 27.6318, 20.0112,
27.4838

■ 20.9204, 10.6426,
12.7484

■ 30.1151, 23.9493,
31.4823

■ 20.6817, 10.4202,
11.8826

■ 33.0421, 28.6984,
35.8642

■ 36.4349, 34.3013,
40.6417

■ 40.3143, 40.7978,
45.8262

■ 44.6995, 48.2251,
51.4286

■ 49.6088, 56.6183,
57.4595

■ 55.0596, 66.0108,
63.9289

Harmonies

Analogous

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



21.2327, 14.3764, 37.5614



23.8972, 14.3764, 20.5842



23.4052, 14.3764, 8.8458

Triad

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



23.8972, 14.3764, 20.5842



11.0159, 14.3764, 2.0616



8.8280, 14.3764, 42.5536

Complementary

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



23.8972, 14.3764, 20.5842



21.1977, 34.4936, 22.0656

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.



7.0887, 14.3764, 25.2801



23.8972, 14.3764, 20.5842



8.1494, 14.3764, 4.5252

Square

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



23.8972, 14.3764, 20.5842



15.2921, 14.3764, 1.8188



6.8706, 14.3764, 11.5806



12.1564, 14.3764, 54.1119

Rectangle

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



23.8972, 14.3764, 20.5842



21.3803, 14.3764, 4.6910



6.8706, 14.3764, 11.5806



8.0719, 14.3764, 36.8939

Sweetspot

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



23.8976, 14.3771, 20.5845



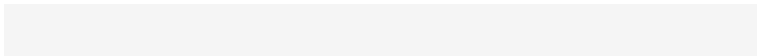
62.4630, 56.8045, 68.9178



16.7587, 10.1772, 43.7289



13.4689, 11.9752, 14.7456



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.8976, 14.3771, 20.5845



39.6172, 21.4324, 29.4884



21.2698, 13.3260, 6.7466



8.6796, 8.5786, 9.8114



14.6478, 7.3767, 8.5714



0.4900, 0.2438, 0.4231

Inverse Universe

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



23.8976, 14.3771, 20.5845



39.6172, 21.4324, 29.4884



25.5975, 36.2535, 45.2346



8.6796, 8.5786, 9.8114



14.6478, 7.3767, 8.5714



0.4900, 0.2438, 0.4231

Previews

White Background



This preview shows how the XYZ color 23.8972, 14.3764, 20.5842 looks on a white 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

Black Background



This preview shows how the XYZ color 23.8972, 14.3764, 20.5842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

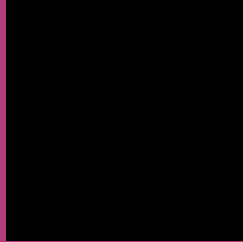
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.8972, 14.3764, 20.5842

Background



This preview shows how black text looks on a background with the XYZ color 23.8972, 14.3764, 20.5842.



This preview shows how white text looks on a background with the XYZ color 23.8972, 14.3764,

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

23.8972, 14.3764, 20.5842

Protanopia

15.2824, 14.6939, 33.0411

Deuteranopia

14.9024, 14.6534, 19.1825



Tritanopia

21.4013, 14.4149, 8.6756

Trichromacy



Original Color

23.8972, 14.3764, 20.5842

Protanomaly

16.7748, 13.3693, 28.0820

Deuteranomaly

17.0332, 13.5698, 19.4908

Tritanomaly

22.0530, 14.2945, 12.1865

Monochromacy



Original Color

23.8972, 14.3764, 20.5842

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.7190, 12.9524, 16.7105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8972, 14.3764, 20.5842 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(179, 61, 124)` looks like.

```
.text, #text, p{  
    color:rgb(179, 61, 124)  
}
```

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(179, 61, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 61, 124) }
```

Border

The CSS property to change the border of an element to XYZ 23.8972, 14.3764, 20.5842 is called "border". The border property can be set on classes, ids or directly on the HTML element.

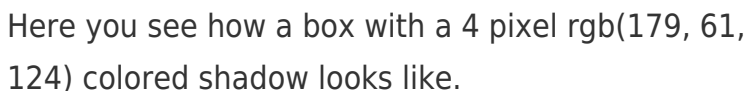
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 61, 124) }
```


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

```
.border{ border-color:rgb(179, 61, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 61, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 61, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 61, 124);  
box-shadow:4px 4px 4px 4px rgb(179, 61,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8972, 14.3764, 20.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 61, 124) }
```

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

```
.background{ background-color: rgb(179, 61,  
124) }
```

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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