

Converting Colors

XYZ(22.9617, 23.2783, 41.9203)

Have a look what the booklet for
XYZ(22.9617, 23.2783, 41.9203)
contains.

XYZ(22.9381, 23.2247, 41.8019)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.9381, 23.2247,
41.8019)**

Conversions

Conversions Part 1

Format	Color
Hex	7584AB
RGB	117, 132, 171
RGB Percent	46%, 52%, 67%
CMY	0.5412, 0.4823, 0.3294
CMYK	0.32, 0.23, 0.00, 0.33
HSL	223°, 24%, 56%
HSV	223°, 32%, 67%
XYZ	22.9381, 23.2247, 41.8019
YIQ	131.9610, -21.4590, 8.9490

Conversions

Conversions Part 2

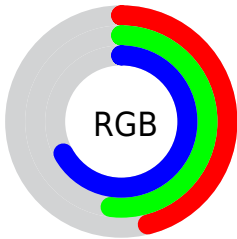
Format	Color
R_{YB}	117, 129, 171
Decimal	7701675
CIE _{Lab}	55.30, 3.96, -22.42
CIE _{LCh}	55, 22.769, 280.009
Y _{xy}	23.2247, 0.2608, 0.2640
Android (android.graphics.Color)	4285891755 (0xFF7584AB)
YUV	131.9610, 19.2462, -13.1208
Hunter-Lab	48.1920, 0.6252, -17.6939

Details

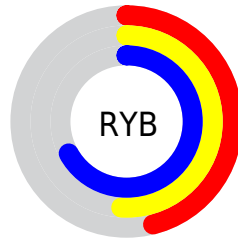
The XYZ color **22.9381, 23.2247, 41.8019** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **31.8945, 33.7197, 21.6580**, and the grayscale version is **21.8571, 22.9954, 25.0419**.

A 20% lighter version of the original color is **47.6540, 48.7350, 78.8467**, and **8.7378, 8.7117, 18.6738** is the 20% darker color. If you saturate the color by 10%, you get **19.2703, 18.9936, 41.1789**, and if you desaturate by 10%, it is **27.2254, 28.0706, 42.5117**.

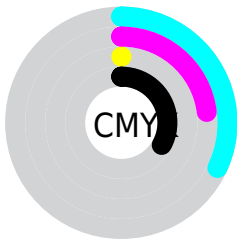
Distribution



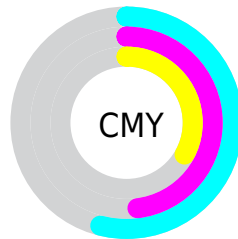
- Red (46%)
- Green (52%)
- Blue (67%)



- Red (46%)
- Yellow (51%)
- Blue (67%)



- Cyan (32%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (54%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9381, 23.2247, 41.8019 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 22.9381, 23.2247, 41.8019 by changing the saturation by 10% instead.

■ 22.9381, 23.2247,
41.8019

■ 22.9381, 23.2247,
41.8019

259.9482,
268.8770, 369.4365

■ 14.6683, 14.7595,
28.6218

■ 47.7591, 48.7620,
79.1666

■ 8.6717, 8.6508,
18.5518

■ 65.0409, 66.6029,
104.1882

■ 4.5830, 4.5141,
11.1733

■ 86.0574, 88.3379,
133.9941

■ 2.0370, 1.9651,
6.0679

111.1740,
114.3513, 169.0028

■ 0.6546, 0.5871,
2.8170

140.7561,
145.0275, 209.6329

■ 0.0000, 0.0000,
1.0020

175.1689,

■ 0.0000, 0.0000,

180.7509, 256.3028

0.0000

214.7778,
221.9060, 309.4312

■ 22.9381, 23.2247,
41.8019

■ 22.9381, 23.2247,
41.8019

■ 19.2703, 18.9936,
41.1789

■ 27.2254, 28.0706,
42.5117

■ 16.1899, 15.3489,
40.6378

■ 32.1577, 33.5524,
43.3098

■ 13.6655, 12.2641,
40.1754

■ 37.7615, 39.6939,
44.1999

■ 11.6612, 9.7093,
39.7879

■ 44.0616, 46.5165,
45.1847

■ 10.1371, 7.6515,
39.4711

■ 51.0810, 54.0406,
46.2671

■ 9.0463, 6.0532,
39.2200

■ 58.8420, 62.2861,
47.4496

■ 8.3874, 5.0136,
39.0541

■ 67.3657, 71.2716,
48.7347

■ 76.6725, 81.0153,
50.1249

■ 80.6870, 88.3927,
51.3373

Harmonies

Analogous

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



20.4392, 23.2247, 40.9235



22.9381, 23.2247, 41.8019



25.3812, 23.2247, 37.6488

Triad

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



22.9381, 23.2247, 41.8019



26.0495, 23.2247, 17.2873



17.7774, 23.2247, 20.7819

Complementary

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



22.9381, 23.2247, 41.8019



31.8945, 33.7197, 21.6580

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.



19.0680, 23.2247, 15.9802



22.9381, 23.2247, 41.8019



23.7945, 23.2247, 14.2485

Square

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



22.9381, 23.2247, 41.8019



27.2669, 23.2247, 22.9235



21.2326, 23.2247, 13.8211



17.5868, 23.2247, 27.8093

Rectangle

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



22.9381, 23.2247, 41.8019



26.6021, 23.2247, 32.9816



21.2326, 23.2247, 13.8211



18.0920, 23.2247, 18.8944

Sweetspot

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



22.9389, 23.2256, 41.8024



59.9074, 62.6404, 77.9352



27.8750, 35.2984, 36.6642



13.0544, 13.6331, 17.3311



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.



22.9389, 23.2256, 41.8024



36.3099, 36.1080, 74.0577



22.7205, 20.3074, 41.2507



7.7533, 8.1059, 10.1087



6.3620, 3.8578, 29.4538



0.2233, 0.2001, 0.8348

Inverse Universe

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



27.3214, 23.0473, 24.8393



45.5318, 36.1251, 38.2750



32.1320, 37.8123, 22.4355



8.0933, 8.0506, 8.8020



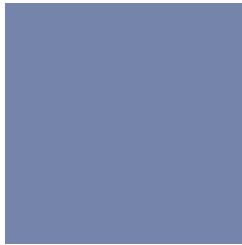
13.0749, 6.6925, 2.7737



0.3871, 0.1955, 0.2004

Previews

White Background



This preview shows how the XYZ color 22.9381, 23.2247, 41.8019 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 22.9381, 23.2247, 41.8019 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

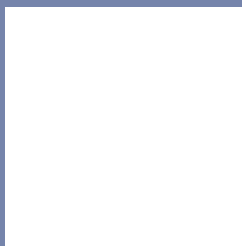
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9381, 23.2247, 41.8019

Background



This preview shows how black text looks on a background with the XYZ color 22.9381, 23.2247, 41.8019.



This preview shows how white text looks on a background with the XYZ color 22.9381, 23.2247,

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

22.9381, 23.2247, 41.8019

Protanopia

23.3980, 23.2725, 41.2890

Deuteranopia

23.6455, 23.1906, 41.7581



Tritanopia

20.7527, 23.1596, 30.9802

Trichromacy



Original Color

22.9381, 23.2247, 41.8019

Protanomaly

23.1177, 23.1279, 41.2759

Deuteranomaly

23.3521, 23.2378, 41.7826

Tritanomaly

21.6042, 23.3057, 34.8123

Monochromacy



Original Color

22.9381, 23.2247, 41.8019

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.1920, 23.0899, 30.4813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9381, 23.2247, 41.8019 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(117, 132, 171)` looks like.

```
.text, #text, p{  
    color:rgb(117, 132, 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(117, 132, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 132, 171) }
```

Border

The CSS property to change the border of an element to XYZ 22.9381, 23.2247, 41.8019 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(117, 132, 171) }
```


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

```
.border{ border-color:rgb(117, 132, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 132, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 132, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 132, 171);  
box-shadow:4px 4px 4px 4px rgb(117, 132,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9381, 23.2247, 41.8019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 132, 171) }
```

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

```
.background{ background-color: rgb(117,  
132, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor