

Converting Colors

XYZ(23.1498, 21.1830, 41.4274)

Have a look what the booklet for
XYZ(23.1498, 21.1830, 41.4274)
contains.

XYZ(23.2413, 21.2821, 41.4110)	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(23.2413, 21.2821,
41.4110)**

Conversions

Conversions Part 1

Format	Color
Hex	8179AB
RGB	129, 121, 171
RGB Percent	51%, 47%, 67%
CMY	0.4941, 0.5255, 0.3294
CMYK	0.25, 0.29, 0.00, 0.33
HSL	250°, 23%, 57%
HSV	250°, 29%, 67%
XYZ	23.2413, 21.2821, 41.4110
YIQ	129.0920, -11.2820, 17.2460

Conversions

Conversions Part 2

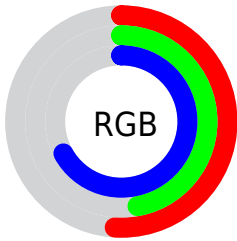
Format	Color
R_{YB}	129, 121, 171
Decimal	8485291
CIE _{Lab}	53.26, 14.14, -25.50
CIE _{LCh}	53, 29.156, 299.017
Yxy	21.2821, 0.2705, 0.2477
Android (android.graphics.Color)	4286675371 (0xFF8179AB)
YUV	129.0920, 20.6606, -0.0807
Hunter-Lab	46.1325, 9.1953, -20.9291

Details

The XYZ color **23.2413, 21.2821, 41.4110** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.1189, 38.2933, 23.7358**, and the grayscale version is **20.8317, 21.9166, 23.8672**.

A 20% lighter version of the original color is **48.3371, 45.5005, 78.9079**, and **8.7890, 7.5863, 18.4538** is the 20% darker color. If you saturate the color by 10%, you get **19.3140, 16.4416, 40.6841**, and if you desaturate by 10%, it is **27.8452, 27.0191, 42.2761**.

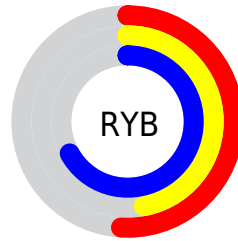
Distribution



Red (51%)

Green (47%)

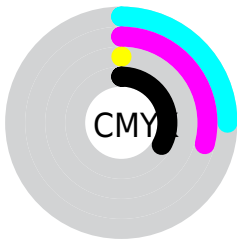
Blue (67%)



Red (51%)

Yellow (47%)

Blue (67%)

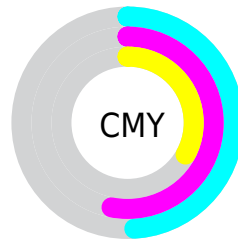


Cyan (25%)

Magenta (29%)

Yellow (0%)

Black (33%)



Cyan (49%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2413, 21.2821, 41.4110 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 23.2413, 21.2821, 41.4110 by changing the saturation by 10% instead.

■ 23.2413, 21.2821,
41.4110

■ 23.2413, 21.2821,
41.4110

261.4742,
258.7739, 367.7628

■ 14.8935, 13.3304,
28.3183

■ 48.2530, 45.5566,
78.5679

■ 8.8305, 7.6564,
18.3246

■ 65.6475, 62.6481,
103.4690

■ 4.6870, 3.8759,
11.0114

■ 86.7884, 83.5550,
133.1435

■ 2.0977, 1.6044,
5.9602

112.0408,
108.6616, 168.0096

■ 0.6879, 0.3606,
2.7525

141.7703,
138.3525, 208.4861

■ 0.0000, 0.0000,
0.9697

176.3421,

■ 0.0000, 0.0000,

173.0119, 254.9915

0.0000

216.1216,
213.0242, 307.9442

■ 23.2413, 21.2821,
41.4110

■ 23.2413, 21.2821,
41.4110

■ 19.3140, 16.4416,
40.6841

■ 27.8452, 27.0191,
42.2761

■ 16.0288, 12.4497,
40.0867

■ 33.1534, 33.6923,
43.2843

■ 13.3518, 9.2576,
39.6116

■ 39.1950, 41.3421,
44.4425

■ 11.2445, 6.8107,
39.2504

■ 45.9964, 50.0057,
45.7562

■ 9.6644, 5.0473,
38.9933

■ 53.5831, 59.7184,
47.2311

■ 8.5623, 3.8957,
38.8291

■ 61.9790, 70.5138,
48.8723

■ 7.8563, 3.2219,
38.7363

■ 71.2074, 82.4240,
50.6848

■ 7.8123, 3.1782,
38.7302

■ 80.3895, 93.6782,
52.3732

■ 84.3508, 95.7203,
52.5586

Harmonies

Analogous

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



20.1265, 21.2821, 44.6247



23.2413, 21.2821, 41.4110



25.7466, 21.2821, 33.0549

Triad

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



23.2413, 21.2821, 41.4110



23.4350, 21.2821, 11.4540



14.8619, 21.2821, 22.8826

Complementary

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



23.2413, 21.2821, 41.4110



33.1189, 38.2933, 23.7358

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.



15.5604, 21.2821, 15.4869



23.2413, 21.2821, 41.4110



20.3298, 21.2821, 10.0071

Square

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



23.2413, 21.2821, 41.4110



25.8662, 21.2821, 15.8756



17.4871, 21.2821, 11.2729



15.4752, 21.2821, 32.4199

Rectangle

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



23.2413, 21.2821, 41.4110



26.6220, 21.2821, 26.5592



17.4871, 21.2821, 11.2729



14.9497, 21.2821, 20.0868

Sweetspot

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



23.2420, 21.2829, 41.4115



59.4563, 60.4425, 77.5348



28.4226, 33.3781, 43.4730



12.9399, 13.0765, 17.2297



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.



23.2420, 21.2829, 41.4115



37.0004, 32.4043, 73.3064



27.4201, 23.4369, 41.6070



7.6938, 7.8165, 10.0559



5.9197, 2.4116, 29.1980



0.2001, 0.0854, 0.8139

Inverse Universe

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



30.2434, 24.9778, 37.8781



51.6438, 40.1384, 65.6245



28.5789, 35.9528, 23.5233



8.2812, 8.1257, 9.7916



16.4510, 8.0430, 20.5523



0.4721, 0.2295, 0.6480

Previews

White Background



This preview shows how the XYZ color 23.2413, 21.2821, 41.4110 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 23.2413, 21.2821, 41.4110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

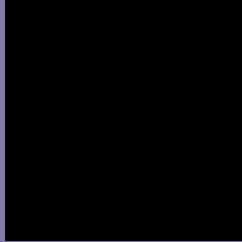
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2413, 21.2821, 41.4110

Background



This preview shows how black text looks on a background with the XYZ color 23.2413, 21.2821, 41.4110.



This preview shows how white text looks on a background with the XYZ color 23.2413, 21.2821,

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

23.2413, 21.2821, 41.4110

Protanopia

21.7836, 21.2339, 42.9948

Deuteranopia

21.7918, 21.2825, 40.9896



Tritanopia

20.3452, 21.2247, 27.0692

Trichromacy



Original Color

23.2413, 21.2821, 41.4110

Protanomaly

22.3582, 21.3544, 42.4786

Deuteranomaly

22.3485, 21.3825, 40.9796

Tritanomaly

21.2961, 21.2292, 31.8294

Monochromacy



Original Color

23.2413, 21.2821, 41.4110

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5482, 21.6025, 29.4195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2413, 21.2821, 41.4110 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(129, 121, 171)` looks like.

```
.text, #text, p{  
    color:rgb(129, 121, 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(129, 121, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 121, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.2413, 21.2821, 41.4110 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(129, 121, 171) }
```


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

```
.border{ border-color:rgb(129, 121, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 121, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 121, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 121, 171);  
box-shadow:4px 4px 4px 4px rgb(129, 121,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2413, 21.2821, 41.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 121, 171) }
```

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

```
.background{ background-color: rgb(129,  
121, 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