

Converting Colors

XYZ(23.3259, 14.4323, 42.4297)

Have a look what the booklet for
XYZ(23.3259, 14.4323, 42.4297)
contains.

XYZ(23.4161, 14.5111, 42.6410)	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(23.4161, 14.5111,
42.6410)**

Conversions

Conversions Part 1

Format	Color
Hex	9A47B0
RGB	154, 71, 176
RGB Percent	60%, 28%, 69%
CMY	0.3961, 0.7216, 0.3098
CMYK	0.12, 0.60, 0.00, 0.31
HSL	287°, 43%, 48%
HSV	287°, 60%, 69%
XYZ	23.4161, 14.5111, 42.6410
YIQ	107.7870, 15.7630, 50.2510

Conversions

Conversions Part 2

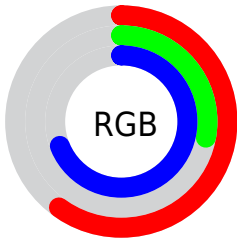
Format	Color
R_{YB}	154, 71, 176
Decimal	10110896
CIE _{Lab}	44.96, 50.70, -41.23
CIE _{LCh}	45, 65.345, 320.883
Yxy	14.5111, 0.2906, 0.1801
Android (android.graphics.Color)	4288300976 (0xFF9A47B0)
YUV	107.7870, 33.6290, 40.5288
Hunter-Lab	38.0934, 43.0607, -39.7026

Details

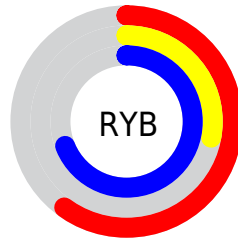
The XYZ color **23.4161, 14.5111, 42.6410** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.1773, 33.8331, 11.3761**, and the grayscale version is **14.1007, 14.8350, 16.1554**.

A 20% lighter version of the original color is **48.6371, 34.0904, 80.3606**, and **8.9746, 4.4272, 19.1204** is the 20% darker color. If you saturate the color by 10%, you get **21.7636, 12.2316, 42.2883**, and if you desaturate by 10%, it is **25.4154, 17.4512, 43.1033**.

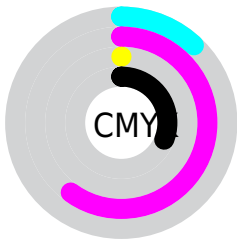
Distribution



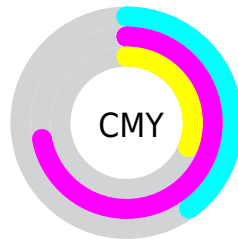
- Red (60%)
- Green (28%)
- Blue (69%)



- Red (60%)
- Yellow (28%)
- Blue (69%)



- Cyan (12%)
- Magenta (60%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (72%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4161, 14.5111, 42.6410 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 23.4161, 14.5111, 42.6410 by changing the saturation by 10% instead.

■ 23.4161, 14.5111,
42.6410

■ 23.4161, 14.5111,
42.6410

262.3506,
220.3876, 373.0110

■ 15.0234, 8.4770,
29.2742

■ 48.5373, 33.9932,
80.4494

■ 8.9223, 4.4017,
19.0410

■ 65.9966, 48.2100,
105.7280

■ 4.7472, 1.9007,
11.5228

■ 87.2087, 65.9231,
135.8144

■ 2.1329, 0.5488,
6.3011

■ 112.5392, 87.5169,
171.1271

■ 0.7070, 0.0000,
2.9573

■ 142.3532,
113.3759, 212.0845

■ 0.0000, 0.0000,
1.0729

177.0162,

■ 0.0000, 0.0000,

143.8844, 259.1053

0.0000

216.8936,
179.4269, 312.6080

■ 23.4161, 14.5111,
42.6410

■ 23.4161, 14.5111,
42.6410

■ 21.7636, 12.2316,
42.2883

■ 25.4154, 17.4512,
43.1033

■ 20.4272, 10.5530,
42.0348

■ 27.7855, 21.1010,
43.6829

■ 19.3732, 9.4080,
41.8693

■ 30.5500, 25.5070,
44.3877

■ 18.5325, 8.6583,
41.7689

■ 33.7300, 30.7112,
45.2246

■ 18.5048, 8.6343,
41.7657

■ 37.3451, 36.7527,
46.2001

■ 41.4137, 43.6675,
47.3204

■ 45.9529, 51.4901,
48.5911

■ 50.9791, 60.2526,
50.0175

■ 56.5077, 69.9858,
51.6048

Harmonies

Analogous

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



17.7954, 14.5111, 62.4284



23.4161, 14.5111, 42.6410



26.6522, 14.5111, 20.9449

Triad

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



23.4161, 14.5111, 42.6410



15.4880, 14.5111, 0.9083



6.2388, 14.5111, 28.8060

Complementary

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



23.4161, 14.5111, 42.6410



21.1773, 33.8331, 11.3761

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.



5.9226, 14.5111, 11.5754



23.4161, 14.5111, 42.6410



10.4397, 14.5111, 1.1630

Square

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



23.4161, 14.5111, 42.6410



21.3567, 14.5111, 2.1911



7.2498, 14.5111, 3.5465



8.2654, 14.5111, 51.4699

Rectangle

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



23.4161, 14.5111, 42.6410



26.5668, 14.5111, 10.8633



7.2498, 14.5111, 3.5465



5.9540, 14.5111, 22.0434

Sweetspot

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



23.4167, 14.5117, 42.6413



62.0082, 57.0806, 82.2448



14.4161, 12.4359, 42.7150



13.0582, 11.7417, 17.7225



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.4167, 14.5117, 42.6413



38.5352, 20.9673, 76.5114



25.3659, 15.8202, 29.0134



8.6723, 8.5551, 10.7005



13.6270, 6.3608, 30.6465



0.4726, 0.2227, 0.9663

Inverse Universe

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



22.1340, 14.5275, 11.9940



36.5674, 21.3352, 13.9654



20.4611, 33.3253, 17.6025



8.5668, 8.5334, 9.2172



13.3984, 6.8769, 1.9917



0.4426, 0.2248, 0.1735

Previews

White Background



This preview shows how the XYZ color 23.4161, 14.5111, 42.6410 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 23.4161, 14.5111, 42.6410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

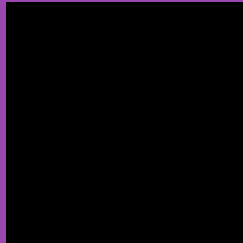
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4161, 14.5111, 42.6410

Background



This preview shows how black text looks on a background with the XYZ color 23.4161, 14.5111, 42.6410.



This preview shows how white text looks on a background with the XYZ color 23.4161, 14.5111,

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

23.4161, 14.5111, 42.6410

Protanopia

17.1949, 14.7634, 60.9748

Deuteranopia

15.0916, 14.7577, 39.5892



Tritanopia

17.4070, 14.3948, 13.6654

Trichromacy



Original Color

23.4161, 14.5111, 42.6410



Protanomaly

17.4512, 13.3990, 53.8910



Deuteranomaly

16.9286, 13.8087, 40.8028



Tritanomaly

19.0337, 14.0760, 21.7924

Monochromacy



Original Color

23.4161, 14.5111, 42.6410



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

16.7833, 14.2378, 24.0539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4161, 14.5111, 42.6410 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(154, 71, 176)` looks like.

```
.text, #text, p{  
    color:rgb(154, 71, 176)  
}
```

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(154, 71, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 71, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.4161, 14.5111, 42.6410 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(154, 71, 176) }
```


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

```
.border{ border-color:rgb(154, 71, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 71, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 71, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 71, 176);  
box-shadow:4px 4px 4px 4px rgb(154, 71,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4161, 14.5111, 42.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 71, 176) }
```

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

```
.background{ background-color: rgb(154, 71,  
176) }
```

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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