

Converting Colors

XYZ(23.3660, 13.7315, 40.9541)

Have a look what the booklet for
XYZ(23.3660, 13.7315, 40.9541)
contains.

XYZ(23.3660, 13.7315, 40.9541)	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(23.3660, 13.7315,
40.9541)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3EAD
RGB	158, 62, 173
RGB Percent	62%, 24%, 68%
CMY	0.3804, 0.7568, 0.3216
CMYK	0.09, 0.64, 0.00, 0.32
HSL	292°, 47%, 46%
HSV	292°, 64%, 68%
XYZ	23.3660, 13.7315, 40.9541
YIQ	103.3580, 21.5850, 54.8730

Conversions

Conversions Part 2

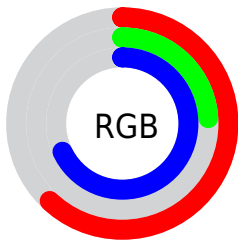
Format	Color
R_{YB}	158, 62, 173
Decimal	10370733
CIE _{Lab}	43.85, 55.27, -41.19
CIE _{LCh}	44, 68.927, 323.305
Yxy	13.7315, 0.2994, 0.1759
Android (android.graphics.Color)	4288560813 (0xFF9E3EAD)
YUV	103.3580, 34.3335, 47.9210
Hunter-Lab	37.0560, 47.7066, -39.5877

Details

The XYZ color **23.3660, 13.7315, 40.9541** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.8741, 31.8131, 9.7038**, and the grayscale version is **12.8954, 13.5669, 14.7744**.

A 20% lighter version of the original color is **48.4126, 32.5950, 77.8686**, and **8.9837, 4.2396, 18.1141** is the 20% darker color. If you saturate the color by 10%, you get **22.1153, 11.9058, 40.6678**, and if you desaturate by 10%, it is **24.9259, 16.1617, 41.3412**.

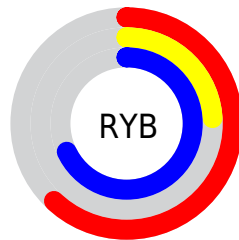
Distribution



Red (62%)

Green (24%)

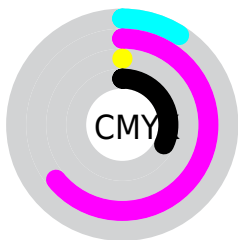
Blue (68%)



Red (62%)

Yellow (24%)

Blue (68%)

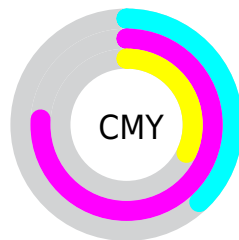


Cyan (9%)

Magenta (64%)

Yellow (0%)

Black (32%)



Cyan (38%)


Magenta (76%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3660, 13.7315, 40.9541 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 23.3660, 13.7315, 40.9541 by changing the saturation by 10% instead.


 23.3660, 13.7315,
40.9541


 23.3660, 13.7315,
40.9541


262.0997,
215.5540, 365.7997


 14.9862, 7.9342,
27.9638


 48.4558, 32.6119,
77.8671

 8.8959, 4.0528,
18.0596


 65.8966, 46.4636,
102.6269


 4.7299, 1.7032,
10.8229


 87.0883, 63.7691,
132.1470

 2.1228, 0.4257,
5.8352

 112.3964, 84.9125,
166.8458

 0.7016, 0.0000,
2.6780

 142.1863,
110.2783, 207.1419

 0.0000, 0.0000,
0.9323

176.8232,

 0.0000, 0.0000,

140.2509, 253.4539

0.0000

216.6725,
175.2147, 306.2003

■ 23.3660, 13.7315,
40.9541

■ 23.3660, 13.7315,
40.9541

■ 22.1153, 11.9058,
40.6678

■ 24.9259, 16.1617,
41.3412

■ 21.1426, 10.6237,
40.4716

■ 26.8193, 19.2461,
41.8367

■ 20.4128, 9.8147,
40.3539

■ 29.0695, 23.0311,
42.4487

■ 20.0512, 9.4654,
40.3056

■ 31.6976, 27.5586,
43.1841

■ 34.7228, 32.8671,
44.0493

■ 38.1630, 38.9924,
45.0503

■ 42.0351, 45.9680,
46.1926

■ 46.3550, 53.8257,
47.4816

■ 51.1377, 62.5955,
48.9223

Harmonies

Analogous

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



17.6435, 13.7315, 62.8055



23.3660, 13.7315, 40.9541



26.4438, 13.7315, 18.7237

Triad

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



23.3660, 13.7315, 40.9541



14.3095, 13.7315, 0.4991



5.6078, 13.7315, 30.2142

Complementary

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



23.3660, 13.7315, 40.9541



18.8741, 31.8131, 9.7038

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.



5.1741, 13.7315, 11.7230



23.3660, 13.7315, 40.9541



9.3344, 13.7315, 0.8594

Square

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



23.3660, 13.7315, 40.9541



20.3545, 13.7315, 1.4971



6.3315, 13.7315, 3.2428



7.7447, 13.7315, 54.1428

Rectangle

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



23.3660, 13.7315, 40.9541



26.1098, 13.7315, 9.0615



6.3315, 13.7315, 3.2428



5.2880, 13.7315, 22.9611

Sweetspot

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



23.3665, 13.7321, 40.9544



59.2933, 53.7669, 78.0587



12.3008, 9.5835, 40.7369



12.5665, 11.1260, 16.8729



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.



23.3665, 13.7321, 40.9544



38.8207, 20.2496, 72.6683



23.2702, 14.0555, 24.0963



8.2291, 8.0924, 10.0810



14.7656, 6.9718, 29.6120



0.4396, 0.2088, 0.8251

Inverse Universe

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



20.2962, 12.8659, 8.4354



33.3440, 18.8402, 8.5287



19.2723, 31.8483, 17.4057



8.0477, 8.0323, 8.5619



12.7899, 6.5785, 1.2730



0.3692, 0.1884, 0.1060

Previews

White Background



This preview shows how the XYZ color 23.3660, 13.7315, 40.9541 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 23.3660, 13.7315, 40.9541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

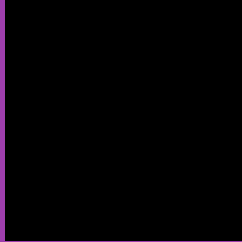
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3660, 13.7315, 40.9541

Background



This preview shows how black text looks on a background with the XYZ color 23.3660, 13.7315, 40.9541.



This preview shows how white text looks on a background with the XYZ color 23.3660, 13.7315,

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

23.3660, 13.7315, 40.9541

Protanopia

16.8125, 14.2172, 63.4861

Deuteranopia

14.3590, 13.9559, 38.0133



Tritanopia

17.5163, 13.7418, 12.0851

Trichromacy



Original Color

23.3660, 13.7315, 40.9541

Protanomaly

16.2339, 12.2641, 54.3349

Deuteranomaly

16.2133, 12.8341, 39.1588

Tritanomaly

19.1156, 13.3883, 19.9890

Monochromacy



Original Color

23.3660, 13.7315, 40.9541

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.5544, 12.7489, 22.0631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3660, 13.7315, 40.9541 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(158, 62, 173)` looks like.

```
.text, #text, p{  
    color:rgb(158, 62, 173)  
}
```

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(158, 62, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 62, 173) }
```

Border

The CSS property to change the border of an element to XYZ 23.3660, 13.7315, 40.9541 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(158, 62, 173) }
```


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

```
.border{ border-color:rgb(158, 62, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 62, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 62, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 62, 173); box-shadow:4px 4px 4px 4px rgb(158, 62, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3660, 13.7315, 40.9541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 62, 173) }
```

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

```
.background{ background-color: rgb(158, 62,  
173) }
```

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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