

Converting Colors

XYZ(23.8317, 14.8828, 35.5508)

Have a look what the booklet for
XYZ(23.8317, 14.8828, 35.5508)
contains.

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Color

**XYZ(23.7905, 14.8662,
35.3338)**

Conversions

Conversions Part 1

Format	Color
Hex	A347A1
RGB	163, 71, 161
RGB Percent	64%, 28%, 63%
CMY	0.3608, 0.7216, 0.3686
CMYK	0.00, 0.56, 0.01, 0.36
HSL	301°, 39%, 46%
HSV	301°, 56%, 64%
XYZ	23.7905, 14.8662, 35.3338
YIQ	108.7680, 25.9420, 47.4940

Conversions

Conversions Part 2

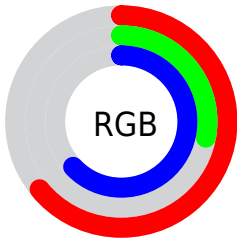
Format	Color
R_{YB}	163, 71, 161
Decimal	10700705
CIE _{Lab}	45.45, 50.23, -31.49
CIE _{LCh}	45, 59.288, 327.919
Yxy	14.8662, 0.3215, 0.2009
Android (android.graphics.Color)	4288890785 (0xFFA347A1)
YUV	108.7680, 25.7504, 47.5615
Hunter-Lab	38.5567, 42.6649, -27.3443

Details

The XYZ color **23.7905, 14.8662, 35.3338** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.8990, 28.0156, 10.8210**, and the grayscale version is **14.3951, 15.1447, 16.4926**.

A 20% lighter version of the original color is **49.1175, 34.5888, 69.0533**, and **9.0643, 4.5316, 14.8649** is the 20% darker color. If you saturate the color by 10%, you get **22.8585, 13.0517, 34.8692**, and if you desaturate by 10%, it is **25.0017, 17.2382, 35.8921**.

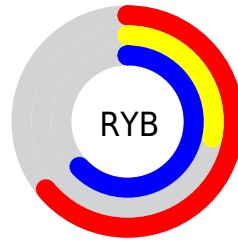
Distribution



Red (64%)

Green (28%)

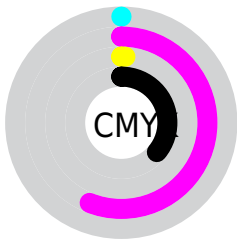
Blue (63%)



Red (64%)

Yellow (28%)

Blue (63%)

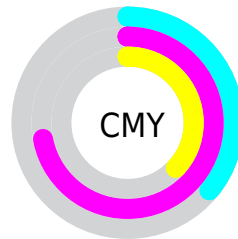


Cyan (0%)

Magenta (56%)

Yellow (1%)

Black (36%)



Cyan (36%)


Magenta (72%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7905, 14.8662, 35.3338 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 23.7905, 14.8662, 35.3338 by changing the saturation by 10% instead.


 23.7905, 14.8662,
35.3338


 23.7905, 14.8662,
35.3338


264.2198,
222.5549, 340.9882


 15.3022, 8.7255,
23.6345


 49.1453, 34.6183,
69.1600


 9.1194, 4.5626,
14.8530


 66.7424, 48.9985,
92.1240


 4.8769, 1.9930,
8.5708


 88.1066, 66.8940,
119.6799

 2.2092, 0.6034,
4.3694

 113.6031, 88.6892,
152.2464

 0.7476, 0.0000,
1.8301

 143.5973,
114.7685, 190.2419

 0.0000, 0.0000,
0.4477

178.4546,

 0.0000, 0.0000,

145.5163, 234.0850

0.0000

218.5403,
181.3170, 284.1942

■ 23.7905, 14.8662,
35.3338

■ 23.7905, 14.8662,
35.3338

■ 22.8585, 13.0517,
34.8692

■ 25.0017, 17.2382,
35.8921

■ 22.1813, 11.7471,
34.4899

■ 26.5108, 20.2061,
36.5500

■ 21.7330, 10.9003,
34.1874

■ 28.3367, 23.8075,
37.3140

■ 21.4762, 10.4361,
33.9491

■ 30.4963, 28.0762,
38.1896

■ 21.4022, 10.3057,
33.8701

■ 33.0053, 33.0435,
39.1821

■ 35.8784, 38.7389,
40.2965

■ 39.1295, 45.1901,
41.5372

■ 42.7717, 52.4234,
42.9088

■ 46.8175, 60.4638,
44.4154

Harmonies

Analogous

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



19.0544, 14.8662, 54.0275



23.7905, 14.8662, 35.3338



25.8912, 14.8662, 17.1937

Triad

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



23.7905, 14.8662, 35.3338



14.4772, 14.8662, 1.3862



7.2948, 14.8662, 32.5352

Complementary

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



23.7905, 14.8662, 35.3338



16.8990, 28.0156, 10.8210

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.



6.6107, 14.8662, 15.2199



23.7905, 14.8662, 35.3338



10.1365, 14.8662, 2.0913

Square

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



23.7905, 14.8662, 35.3338



19.7922, 14.8662, 2.3538



7.5187, 14.8662, 5.6187



9.6658, 14.8662, 51.8535

Rectangle

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



23.7905, 14.8662, 35.3338



25.2173, 14.8662, 9.1829



7.5187, 14.8662, 5.6187



6.8881, 14.8662, 26.0695

Sweetspot

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



23.7910, 14.8669, 35.3341



54.2525, 49.5628, 68.2482



11.5772, 8.5499, 35.6909



12.0124, 10.7904, 15.2589



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.7910, 14.8669, 35.3341



40.5506, 22.6262, 62.2408



20.4796, 13.5423, 17.8961



7.3576, 7.1995, 8.8698



16.6355, 8.0103, 26.3351



0.3515, 0.1691, 0.5636

Inverse Universe

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



23.7910, 14.8669, 35.3341



40.5506, 22.6262, 62.2408



18.9982, 28.8553, 21.8753



7.3576, 7.1995, 8.8698



16.6355, 8.0103, 26.3351



0.3515, 0.1691, 0.5636

Previews

White Background



This preview shows how the XYZ color 23.7905, 14.8662, 35.3338 looks on a white background.

Color Contrast Check

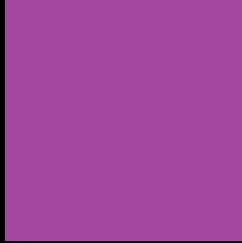
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7905, 14.8662, 35.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

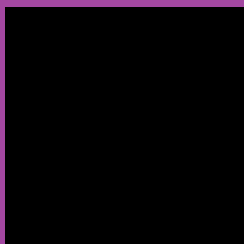
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7905, 14.8662, 35.3338

Background



This preview shows how black text looks on a background with the XYZ color 23.7905, 14.8662, 35.3338.



This preview shows how white text looks on a background with the XYZ color 23.7905, 14.8662,

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

23.7905, 14.8662, 35.3338

Protanopia

16.8394, 15.0937, 51.3161

Deuteranopia

15.3905, 15.0556, 33.1052



Tritanopia

19.0729, 14.7742, 12.6729

Trichromacy



Original Color

23.7905, 14.8662, 35.3338

Protanomaly

17.7461, 14.0076, 44.9484

Deuteranomaly

17.4246, 14.2216, 33.7250

Tritanomaly

20.4476, 14.6356, 19.2000

Monochromacy



Original Color

23.7905, 14.8662, 35.3338

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

17.0418, 14.4101, 22.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7905, 14.8662, 35.3338 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(163, 71, 161)` looks like.

```
.text, #text, p{  
    color:rgb(163, 71, 161)  
}
```

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(163, 71, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 71, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.7905, 14.8662, 35.3338 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(163, 71, 161) }
```


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

```
.border{ border-color:rgb(163, 71, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 71, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 71, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 71, 161);  
box-shadow:4px 4px 4px 4px rgb(163, 71,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7905, 14.8662, 35.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 71, 161) }
```

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

```
.background{ background-color: rgb(163, 71,  
161) }
```

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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