

Converting Colors

XYZ(23.6408, 15.4167, 20.1421)

Have a look what the booklet for
XYZ(23.6408, 15.4167, 20.1421)
contains.

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Color

**XYZ(23.6408, 15.4167,
20.1421)**

Conversions

Conversions Part 1

Format	Color
Hex	AF4A7A
RGB	175, 74, 122
RGB Percent	69%, 29%, 48%
CMY	0.3137, 0.7098, 0.5216
CMYK	0.00, 0.58, 0.30, 0.31
HSL	331°, 41%, 49%
HSV	331°, 58%, 69%
XYZ	23.6408, 15.4167, 20.1421
YIQ	109.6710, 44.7880, 36.3400

Conversions

Conversions Part 2

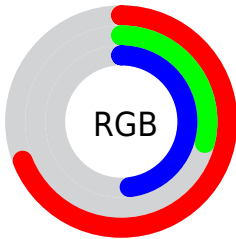
Format	Color
R_{YB}	175, 74, 122
Decimal	11487866
CIE _{Lab}	46.20, 46.34, -6.72
CIE _{LCh}	46, 46.827, 351.753
Yxy	15.4167, 0.3993, 0.2604
Android (android.graphics.Color)	4289677946 (0xFFAF4A7A)
YUV	109.6710, 6.0782, 57.2935
Hunter-Lab	39.2641, 38.7621, -2.9303

Details

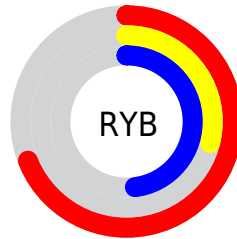
The XYZ color **23.6408, 15.4167, 20.1421** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.9856, 33.6484, 25.4166**, and the grayscale version is **14.7017, 15.4673, 16.8439**.

A 20% lighter version of the original color is **48.8336, 35.5584, 44.3340**, and **9.0108, 4.8039, 6.7556** is the 20% darker color. If you saturate the color by 10%, you get **22.0883, 13.1797, 16.9486**, and if you desaturate by 10%, it is **25.5729, 18.3266, 23.7278**.

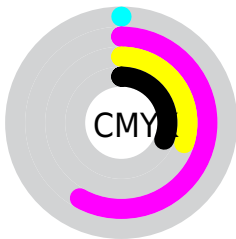
Distribution



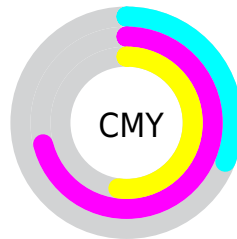
- Red (69%)
- Green (29%)
- Blue (48%)



- Red (69%)
- Yellow (29%)
- Blue (48%)



- Cyan (0%)
- Magenta (58%)
- Yellow (30%)
- Black (31%)





- Cyan (31%)
- Magenta (71%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6408, 15.4167, 20.1421 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 23.6408, 15.4167, 20.1421 by changing the saturation by 10% instead.


 23.6408, 15.4167,
20.1421


 23.6408, 15.4167,
20.1421


263.4737,
225.8747, 265.3130


 15.1907, 9.1124,
12.3133


 48.9024, 35.5826,
44.5174


 9.0405, 4.8145,
6.8323


 66.4445, 50.2129,
61.9009


 4.8249, 2.1389,
3.2806


 87.7480, 68.3873,
83.3065

 2.1786, 0.6863,
1.2396

 113.1783, 90.4902,
109.1526

 0.7314, 0.0000,
0.0115

 143.1006,
116.9060, 139.8577

 0.0000, 0.0000,
0.0000

177.8804,

148.0191, 175.8405

217.8830,
184.2139, 217.5194

■ 23.6408, 15.4167,
20.1421

■ 23.6408, 15.4167,
20.1421

■ 22.0883, 13.1797,
16.9486

■ 25.5729, 18.3266,
23.7278

■ 20.8850, 11.5574,
14.1293

■ 27.9093, 21.9569,
27.7205

■ 19.9974, 10.4853,
11.6657

■ 30.6739, 26.3530,
32.1351

■ 19.3729, 9.8610,
9.5322

■ 33.8884, 31.5563,
36.9853

■ 19.2468, 9.7410,
9.0826

■ 37.5730, 37.6051,
42.2843

■ 41.7465, 44.5350,
48.0443

■ 46.4268, 52.3798,
54.2772

■ 51.6308, 61.1716,
60.9946

■ 57.3745, 70.9405,
68.2072

Harmonies

Analogous

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



21.5479, 15.4167, 34.4099



23.6408, 15.4167, 20.1421



23.0038, 15.4167, 9.8846

Triad

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



23.6408, 15.4167, 20.1421



11.9879, 15.4167, 3.5260



10.3954, 15.4167, 40.6541

Complementary

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



23.6408, 15.4167, 20.1421



21.9856, 33.6484, 25.4166

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.



8.6162, 15.4167, 26.3252



23.6408, 15.4167, 20.1421



9.4125, 15.4167, 6.5217

Square

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



23.6408, 15.4167, 20.1421



15.7823, 15.4167, 3.0739



8.2923, 15.4167, 13.8254



13.5791, 15.4167, 49.3065

Rectangle

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



23.6408, 15.4167, 20.1421



21.1599, 15.4167, 5.9883



8.2923, 15.4167, 13.8254



9.6391, 15.4167, 36.0996

Sweetspot

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



23.6412, 15.4175, 20.1424



60.9511, 56.9373, 66.6190



18.8187, 12.4433, 41.9673



13.2807, 12.2210, 14.4137



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.



23.6412, 15.4175, 20.1424



38.9685, 22.7849, 29.0401



21.4785, 14.7346, 8.1917



8.1578, 8.0764, 9.1416



13.8140, 6.9881, 6.6660



0.4121, 0.2055, 0.3317

Inverse Universe

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



23.6412, 15.4175, 20.1424



38.9685, 22.7849, 29.0401



25.5667, 34.5600, 45.8806



8.1578, 8.0764, 9.1416



13.8140, 6.9881, 6.6660



0.4121, 0.2055, 0.3317

Previews

White Background



This preview shows how the XYZ color 23.6408, 15.4167, 20.1421 looks on a white background.

Color Contrast Check

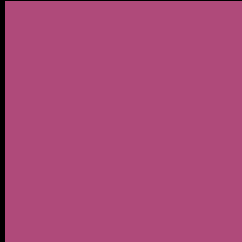
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6408, 15.4167, 20.1421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

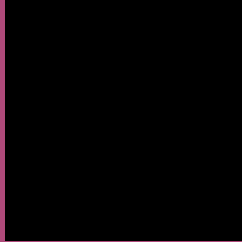
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6408, 15.4167, 20.1421

Background



This preview shows how black text looks on a background with the XYZ color 23.6408, 15.4167, 20.1421.



This preview shows how white text looks on a background with the XYZ color 23.6408, 15.4167,

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

23.6408, 15.4167, 20.1421

Protanopia

15.8350, 15.6909, 28.9821

Deuteranopia

15.9398, 15.6513, 19.0105



Tritanopia

21.6760, 15.3436, 10.8360

Trichromacy



Original Color

23.6408, 15.4167, 20.1421

Protanomaly

17.4506, 14.6839, 25.5814

Deuteranomaly

18.0694, 15.0053, 19.3967

Tritanomaly

22.2582, 15.2531, 13.8276

Monochromacy



Original Color

23.6408, 15.4167, 20.1421

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

17.1435, 14.8326, 17.8790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6408, 15.4167, 20.1421 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(175, 74, 122)` looks like.

```
.text, #text, p{  
    color:rgb(175, 74, 122)  
}
```

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(175, 74, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 74, 122) }
```

Border

The CSS property to change the border of an element to XYZ 23.6408, 15.4167, 20.1421 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(175, 74, 122) }
```


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

```
.border{ border-color:rgb(175, 74, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 74, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 74, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 74, 122);  
box-shadow:4px 4px 4px 4px rgb(175, 74,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6408, 15.4167, 20.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 74, 122) }
```

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

```
.background{ background-color: rgb(175, 74,  
122) }
```

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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