

Converting Colors

XYZ(23.4766, 14.7426, 24.9895)

Have a look what the booklet for
XYZ(23.4766, 14.7426, 24.9895)
contains.

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Color

**XYZ(23.3666, 14.6917,
24.8968)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4588
RGB	171, 69, 136
RGB Percent	67%, 27%, 53%
CMY	0.3294, 0.7294, 0.4667
CMYK	0.00, 0.60, 0.20, 0.33
HSL	321°, 42%, 47%
HSV	321°, 60%, 67%
XYZ	23.3666, 14.6917, 24.8968
YIQ	107.1360, 39.2850, 42.4610

Conversions

Conversions Part 2

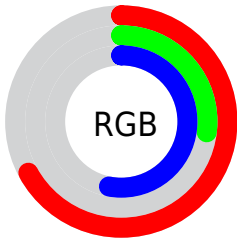
Format	Color
R_{YB}	171, 69, 136
Decimal	11224456
CIE _{Lab}	45.21, 49.39, -16.77
CIE _{LCh}	45, 52.161, 341.250
Yxy	14.6917, 0.3712, 0.2334
Android (android.graphics.Color)	4289414536 (0xFFAB4588)
YUV	107.1360, 14.2300, 56.0087
Hunter-Lab	38.3298, 41.7402, -11.6805

Details

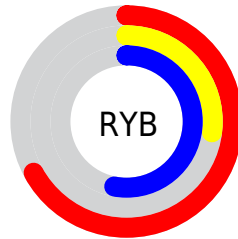
The XYZ color **23.3666, 14.6917, 24.8968** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.5165, 31.3909, 18.1284**, and the grayscale version is **13.9675, 14.6949, 16.0028**.

A 20% lighter version of the original color is **48.4579, 34.2512, 52.2012**, and **8.9473, 4.5151, 9.2040** is the 20% darker color. If you saturate the color by 10%, you get **22.0566, 12.7208, 22.4586**, and if you desaturate by 10%, it is **25.0035, 17.2794, 27.5568**.

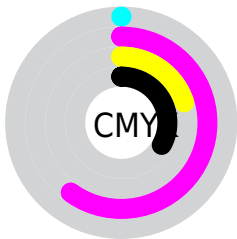
Distribution



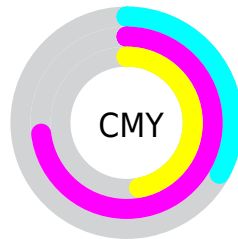
- Red (67%)
- Green (27%)
- Blue (53%)



- Red (67%)
- Yellow (27%)
- Blue (53%)



- Cyan (0%)
- Magenta (60%)
- Yellow (20%)
- Black (33%)



- Cyan (33%)
- Magenta (73%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3666, 14.6917, 24.8968 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 23.3666, 14.6917, 24.8968 by changing the saturation by 10% instead.

■ 23.3666, 14.6917,
24.8968

■ 23.3666, 14.6917,
24.8968

262.1027,
221.4925, 290.7548

■ 14.9866, 8.6033,
15.7819

■ 48.4568, 34.3114,
52.4518

■ 8.8962, 4.4833,
9.2172

■ 65.8978, 48.6115,
71.7289

■ 4.7301, 1.9474,
4.7844

■ 87.0898, 66.4177,
95.2306

■ 2.1229, 0.5767,
2.0648

■ 112.3981, 88.1142,
123.3752

■ 0.7016, 0.0000,
0.5947

■ 142.1883,
114.0856, 156.5814

■ 0.0000, 0.0000,
0.0000

176.8255,

144.7161, 195.2677

216.6752,
180.3903, 239.8527

■ 23.3666, 14.6917,
24.8968

■ 23.3666, 14.6917,
24.8968

■ 22.0566, 12.7208,
22.4586

■ 25.0035, 17.2794,
27.5568

■ 21.0448, 11.3105,
20.2306

■ 26.9898, 20.5291,
30.4477

■ 20.2999, 10.3985,
18.2006

■ 29.3477, 24.4844,
33.5785

■ 19.7554, 9.8528,
16.3446

■ 32.0971, 29.1843,
36.9575

■ 19.7372, 9.8350,
16.2813

■ 35.2564, 34.6653,
40.5927

■ 38.8427, 40.9612,
44.4911

■ 42.8723, 48.1039,
48.6600

■ 47.3605, 56.1235,
53.1058

■ 52.3219, 65.0487,
57.8350

Harmonies

Analogous

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



20.1677, 14.6917, 41.2782



23.3666, 14.6917, 24.8968



23.7641, 14.6917, 11.8012

Triad

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



23.3666, 14.6917, 24.8968



12.4098, 14.6917, 2.1880



8.6168, 14.6917, 37.2866

Complementary

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



23.3666, 14.6917, 24.8968



19.5165, 31.3909, 18.1284

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.



7.3142, 14.6917, 21.0847



23.3666, 14.6917, 24.8968



9.1841, 14.6917, 3.9694

Square

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



23.3666, 14.6917, 24.8968



16.7991, 14.6917, 2.4082



7.4979, 14.6917, 9.5194



11.4674, 14.6917, 50.6101

Rectangle

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



23.3666, 14.6917, 24.8968



22.3088, 14.6917, 6.5771



7.4979, 14.6917, 9.5194



8.0128, 14.6917, 31.7267

Sweetspot

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



23.3671, 14.6924, 24.8971



58.1925, 53.4891, 67.0267



15.0731, 10.0809, 39.6796



12.6427, 11.3521, 14.5497



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.



23.3671, 14.6924, 24.8971



38.7859, 21.7554, 38.7325



20.6030, 13.5868, 10.3416



8.2185, 8.1007, 9.4615



14.9043, 7.4243, 12.4075



0.4390, 0.2163, 0.4733

Inverse Universe

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



23.3671, 14.6924, 24.8971



38.7859, 21.7554, 38.7325



22.8504, 32.7245, 35.6844



8.2185, 8.1007, 9.4615



14.9043, 7.4243, 12.4075



0.4390, 0.2163, 0.4733

Previews

White Background



This preview shows how the XYZ color 23.3666, 14.6917, 24.8968 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 23.3666, 14.6917, 24.8968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

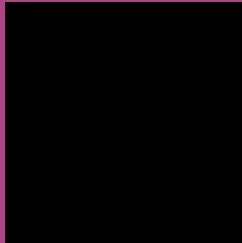
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3666, 14.6917, 24.8968

Background



This preview shows how black text looks on a background with the XYZ color 23.3666, 14.6917, 24.8968.



This preview shows how white text looks on a background with the XYZ color 23.3666, 14.6917,

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

23.3666, 14.6917, 24.8968

Protanopia

15.7854, 15.0146, 37.1881

Deuteranopia

15.1442, 14.8407, 23.1854



Tritanopia

20.3886, 14.6800, 10.7757

Trichromacy



Original Color

23.3666, 14.6917, 24.8968

Protanomaly

17.2183, 14.0133, 32.3692

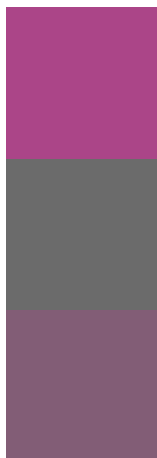
Deuteranomaly

17.1979, 14.0661, 23.6384

Tritanomaly

21.3521, 14.6525, 15.0674

Monochromacy



Original Color

23.3666, 14.6917, 24.8968

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

16.3903, 13.8825, 18.9553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3666, 14.6917, 24.8968 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(171, 69, 136)` looks like.

```
.text, #text, p{  
    color:rgb(171, 69, 136)  
}
```

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(171, 69, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 69, 136) }
```

Border

The CSS property to change the border of an element to XYZ 23.3666, 14.6917, 24.8968 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(171, 69, 136) }
```


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

```
.border{ border-color:rgb(171, 69, 136) }
```

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

Here you see how a box with a 4 pixel rgb(171, 69, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 69, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 69, 136);  
box-shadow:4px 4px 4px 4px rgb(171, 69,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3666, 14.6917, 24.8968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 69, 136) }
```

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

```
.background{ background-color: rgb(171, 69,  
136) }
```

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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