

Converting Colors

XYZ(32.1482, 23.5253, 46.1934)

Have a look what the booklet for
XYZ(32.1482, 23.5253, 46.1934)
contains.

XYZ(32.1912, 23.6041, 46.0394)	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(32.1912, 23.6041,
46.0394)**

Conversions

Conversions Part 1

Format	Color
Hex	B36CB4
RGB	179, 108, 180
RGB Percent	70%, 42%, 71%
CMY	0.2980, 0.5765, 0.2941
CMYK	0.01, 0.40, 0.00, 0.29
HSL	299°, 32%, 56%
HSV	299°, 40%, 71%
XYZ	32.1912, 23.6041, 46.0394
YIQ	137.4370, 19.2040, 37.4440

Conversions

Conversions Part 2

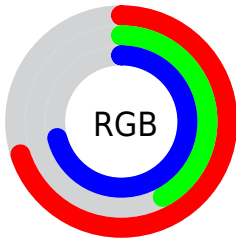
Format	Color
R_{YB}	179, 108, 180
Decimal	11758772
CIE _{Lab}	55.69, 39.52, -26.51
CIE _{LCh}	56, 47.590, 326.146
Yxy	23.6041, 0.3161, 0.2318
Android (android.graphics.Color)	4289948852 (0xFFB36CB4)
YUV	137.4370, 20.9836, 36.4508
Hunter-Lab	48.5841, 33.2498, -22.1758

Details

The XYZ color **32.1912, 23.6041, 46.0394** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.3354, 36.9770, 19.9904**, and the grayscale version is **23.8618, 25.1045, 27.3388**.

A 20% lighter version of the original color is **62.4773, 49.3787, 85.5950**, and **13.8013, 8.9184, 21.0727** is the 20% darker color. If you saturate the color by 10%, you get **30.4278, 20.1624, 45.4684**, and if you desaturate by 10%, it is **34.3482, 27.8317, 46.7421**.

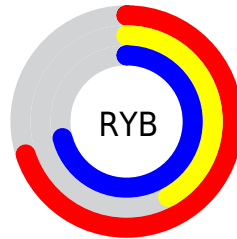
Distribution



Red (70%)

Green (42%)

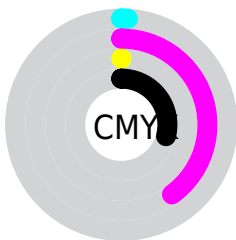
Blue (71%)



Red (70%)

Yellow (42%)

Blue (71%)

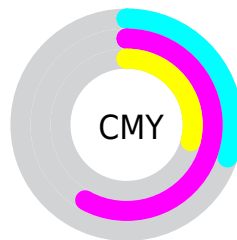


Cyan (1%)

Magenta (40%)

Yellow (0%)

Black (29%)



Cyan (30%)


Magenta (58%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1912, 23.6041, 46.0394 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 32.1912, 23.6041, 46.0394 by changing the saturation by 10% instead.


 32.1912, 23.6041,
46.0394


 32.1912, 23.6041,
46.0394


303.7191,
270.8128, 387.2492


 21.6638, 15.0402,
31.9280


 62.4739, 49.3834,
85.6129

 13.7253, 8.8476,
21.0422


 82.9599, 67.3675,
111.9120

 8.0103, 4.6419,
12.9633


 107.4962, 89.2606,
143.1109

 4.1534, 2.0387,
7.2728

 136.4481,
115.4469, 179.6279

 1.7893, 0.6298,
3.5523

170.1810,
146.3109, 221.8818

 0.5112, 0.0000,
1.3831

209.0603,

 0.0000, 0.0000,

182.2369, 270.2909

0.1285

253.4512,
223.6094, 325.2739

■ 0.0000, 0.0000,
0.0000

■ 32.1912, 23.6041,
46.0394

■ 32.1912, 23.6041,
46.0394

■ 30.4278, 20.1624,
45.4684

■ 34.3482, 27.8317,
46.7421

■ 29.0313, 17.4550,
45.0194

■ 36.9186, 32.8866,
47.5823

■ 27.9756, 15.4288,
44.6839


■ 39.9238, 38.8109,
48.5674


■ 27.2298, 14.0225,
44.4518


■ 43.3829, 45.6429,
49.7038


■ 26.7579, 13.1637,
44.3109


■ 47.3141, 53.4188,
50.9975


 26.4844, 12.7016,
44.2361

 51.7344, 62.1727,
52.4542

 26.4844, 12.7015,
44.2361

 56.6599, 71.9371,
54.0793

 62.1062, 82.7427,
55.8780

 63.1130, 84.6693,
56.1968

Harmonies

Analogous

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



27.3197, 23.6041, 62.6214



32.1912, 23.6041, 46.0394



34.4478, 23.6041, 27.7483

Triad

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



32.1912, 23.6041, 46.0394



23.1390, 23.6041, 6.0029



14.3571, 23.6041, 41.1275

Complementary

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



32.1912, 23.6041, 46.0394



25.3354, 36.9770, 19.9904

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.



13.6006, 23.6041, 23.7567



32.1912, 23.6041, 46.0394



18.1702, 23.6041, 7.2015

Square

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



32.1912, 23.6041, 46.0394



28.7191, 23.6041, 8.0901



14.8808, 23.6041, 12.4567



17.1417, 23.6041, 59.0774

Rectangle

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



32.1912, 23.6041, 46.0394



33.9374, 23.6041, 18.2978



14.8808, 23.6041, 12.4567



13.8785, 23.6041, 34.8717

Sweetspot

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



32.1920, 23.6051, 46.0399



71.1174, 67.8616, 87.6449



19.9135, 17.4645, 45.5018



15.2162, 14.3620, 18.8924



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.1920, 23.6051, 46.0399



55.5126, 37.2220, 82.5533



29.3120, 22.4799, 29.6641



8.8381, 8.6406, 10.7083



18.4893, 8.8674, 30.8741



0.5854, 0.2809, 0.9716

Inverse Universe

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



26.9460, 21.5335, 17.2051



44.6976, 32.9553, 22.9267



27.4492, 37.8084, 31.7592



8.5010, 8.5071, 8.8707



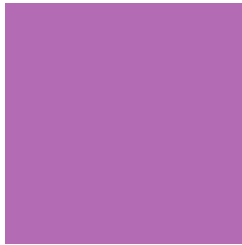
13.1485, 6.7770, 0.6761



0.4153, 0.2139, 0.0296

Previews

White Background



This preview shows how the XYZ color 32.1912, 23.6041, 46.0394 looks on a white background.

Color Contrast Check

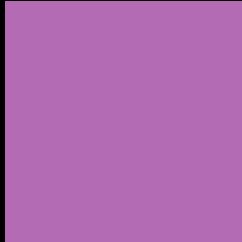
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.1912, 23.6041, 46.0394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

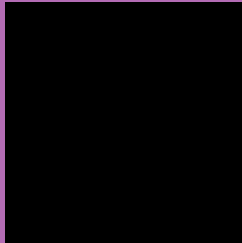
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1912, 23.6041, 46.0394

Background



This preview shows how black text looks on a background with the XYZ color 32.1912, 23.6041, 46.0394.



This preview shows how white text looks on a background with the XYZ color 32.1912, 23.6041,

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

32.1912, 23.6041, 46.0394

Protanopia

25.1156, 24.0056, 57.3426

Deuteranopia

24.3999, 23.9222, 44.4057



Tritanopia

27.5064, 23.5228, 23.5127

Trichromacy



Original Color

32.1912, 23.6041, 46.0394



Protanomaly

26.7507, 23.2059, 52.9384



Deuteranomaly

26.5204, 23.2695, 44.6887



Tritanomaly

29.0764, 23.4820, 30.6038

Monochromacy



Original Color

32.1912, 23.6041, 46.0394



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

26.1595, 23.8970, 33.3708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1912, 23.6041, 46.0394 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(179, 108, 180)` looks like.

```
.text, #text, p{  
    color:rgb(179, 108, 180)  
}
```

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(179, 108, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 108, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.1912, 23.6041, 46.0394 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(179, 108, 180) }
```


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

```
.border{ border-color:rgb(179, 108, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 108, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 108, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 108, 180);  
box-shadow:4px 4px 4px 4px rgb(179, 108,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1912, 23.6041, 46.0394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 108, 180) }
```

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

```
.background{ background-color: rgb(179,  
108, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor