

Converting Colors

XYZ(24.0297, 12.3749, 42.1968)

Have a look what the booklet for
XYZ(24.0297, 12.3749, 42.1968)
contains.

XYZ(23.9546, 12.3360, 42.1928)	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(23.9546, 12.3360,
42.1928)**

Conversions

Conversions Part 1

Format	Color
Hex	A523B0
RGB	165, 35, 176
RGB Percent	65%, 14%, 69%
CMY	0.3529, 0.8627, 0.3098
CMYK	0.06, 0.80, 0.00, 0.31
HSL	295°, 67%, 41%
HSV	295°, 80%, 69%
XYZ	23.9546, 12.3360, 42.1928
YIQ	89.9440, 32.2190, 71.4110

Conversions

Conversions Part 2

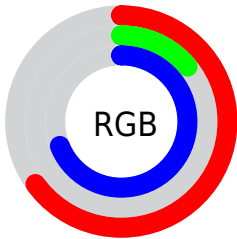
Format	Color
R_{YB}	165, 35, 176
Decimal	10822576
CIE _{Lab}	41.75, 66.93, -46.25
CIE _{LCh}	42, 81.354, 325.354
Yxy	12.3360, 0.3052, 0.1572
Android (android.graphics.Color)	4289012656 (0xFFA523B0)
YUV	89.9440, 42.4256, 65.8241
Hunter-Lab	35.1226, 60.2772, -46.6392

Details

The XYZ color **23.9546, 12.3360, 42.1928** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.9558, 31.7531, 6.8259**, and the grayscale version is **9.6095, 10.1100, 11.0098**.

A 20% lighter version of the original color is **49.2716, 30.0636, 79.5499**, and **9.8818, 4.6813, 19.1216** is the 20% darker color. If you saturate the color by 10%, you get **23.2766, 11.4013, 42.0483**, and if you desaturate by 10%, it is **24.8963, 13.7926, 42.4245**.

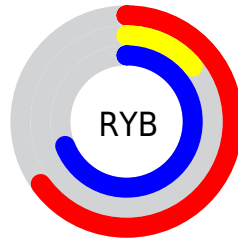
Distribution



Red (65%)

Green (14%)

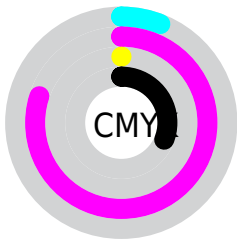
Blue (69%)



Red (65%)

Yellow (14%)

Blue (69%)

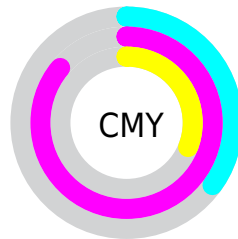


Cyan (6%)

Magenta (80%)

Yellow (0%)

Black (31%)



Cyan (35%)


Magenta (86%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9546, 12.3360, 42.1928 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 23.9546, 12.3360, 42.1928 by changing the saturation by 10% instead.


 23.9546, 12.3360,
42.1928


 23.9546, 12.3360,
42.1928


265.0356,
206.6172, 371.1048


 15.4245, 6.9729,
28.9256


 49.4113, 30.1056,
79.7646


 9.2061, 3.4452,
18.7794


 67.0686, 43.2809,
104.9062


 4.9340, 1.3683,
11.3358


 88.4991, 59.8291,
134.8431

 2.2430, 0.1932,
6.1762

 114.0680, 80.1346,
169.9937

 0.7652, 0.0000,
2.8820

 144.1408,
104.5818, 210.7767

 0.0000, 0.0000,
1.0347

 179.0827,

 0.0000, 0.0000,

133.5550, 257.6105

0.0000

219.2592,
167.4387, 310.9136

■ 23.9546, 12.3360,
42.1928

■ 23.9546, 12.3360,
42.1928

■ 23.2766, 11.4013,
42.0483

■ 24.8963, 13.7926,
42.4245

■ 22.7919, 10.8444,
41.9663

■ 26.1343, 15.8379,
42.7540

■ 27.6984, 18.5307,
43.1913

■ 29.6140, 21.9219,
43.7450

■ 31.9042, 26.0577,
44.4225

■ 34.5900, 30.9800,
45.2311

■ 37.6909, 36.7280,
46.1771

■ 41.2251, 43.3378,
47.2667

■ 45.2096, 50.8438,
48.5055

Harmonies

Analogous

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



17.3693, 12.3360, 70.5667



23.9546, 12.3360, 42.1928



27.3227, 12.3360, 16.2792

Triad

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



23.9546, 12.3360, 42.1928



12.6811, 12.3360, 0.0000



4.1020, 12.3360, 33.0401

Complementary

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



23.9546, 12.3360, 42.1928



16.9558, 31.7531, 6.8259

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.



3.5935, 12.3360, 10.9374



23.9546, 12.3360, 42.1928



7.4588, 12.3360, 0.0000

Square

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



23.9546, 12.3360, 42.1928



19.5508, 12.3360, 0.3528



4.5820, 12.3360, 2.0621



6.3282, 12.3360, 62.8097

Rectangle

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



23.9546, 12.3360, 42.1928



26.6731, 12.3360, 6.4637



4.5820, 12.3360, 2.0621



3.7656, 12.3360, 24.1725

Sweetspot

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



23.9551, 12.3365, 42.1931



60.5449, 52.1600, 81.3721



9.5366, 5.5056, 41.6345



12.7595, 10.6423, 17.5260



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.



23.9551, 12.3365, 42.1931



41.5542, 19.9281, 76.1516



21.7316, 11.7229, 18.0250



8.7833, 8.6123, 10.7057



16.7453, 7.9683, 30.7925



0.5461, 0.2606, 0.9698

Inverse Universe

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



18.9990, 10.6299, 3.6357



32.7631, 17.0159, 2.5565



18.2281, 32.2120, 15.7887



8.5224, 8.5157, 8.9833



13.2028, 6.7987, 0.9622



0.4242, 0.2174, 0.0767

Previews

White Background



This preview shows how the XYZ color 23.9546, 12.3360, 42.1928 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 23.9546, 12.3360, 42.1928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

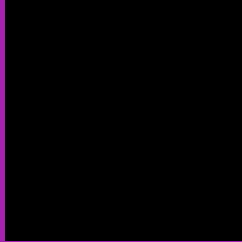
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9546, 12.3360, 42.1928

Background



This preview shows how black text looks on a background with the XYZ color 23.9546, 12.3360, 42.1928.



This preview shows how white text looks on a background with the XYZ color 23.9546, 12.3360,

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

23.9546, 12.3360, 42.1928

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.9614, 12.6518, 37.8353



Tritanopia

17.1009, 12.3836, 9.0784

Trichromacy



Original Color

23.9546, 12.3360, 42.1928



Protanomaly

13.9379, 9.7085, 51.5914



Deuteranomaly

14.4562, 10.4508, 39.2855



Tritanomaly

18.6150, 11.6376, 17.4848

Monochromacy



Original Color

23.9546, 12.3360, 42.1928



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

12.9775, 9.5427, 19.2471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9546, 12.3360, 42.1928 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(165, 35, 176)` looks like.

```
.text, #text, p{  
    color:rgb(165, 35, 176)  
}
```

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(165, 35, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 35, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.9546, 12.3360, 42.1928 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(165, 35, 176) }
```


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

```
.border{ border-color:rgb(165, 35, 176) }
```

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

Here you see how a box with a 4 pixel rgb(165, 35, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 35, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 35, 176);  
box-shadow:4px 4px 4px 4px rgb(165, 35,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9546, 12.3360, 42.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 35, 176) }
```

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

```
.background{ background-color: rgb(165, 35,  
176) }
```

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