

Converting Colors

XYZ(23.6656, 13.9755, 48.2993)

Have a look what the booklet for
XYZ(23.6656, 13.9755, 48.2993)
contains.

XYZ(23.6224, 13.9478, 48.4609)	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(23.6224, 13.9478,
48.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	9741BB
RGB	151, 65, 187
RGB Percent	59%, 25%, 73%
CMY	0.4078, 0.7451, 0.2667
CMYK	0.19, 0.65, 0.00, 0.27
HSL	282°, 48%, 49%
HSV	282°, 65%, 73%
XYZ	23.6224, 13.9478, 48.4609
YIQ	104.6220, 12.0940, 56.1740

Conversions

Conversions Part 2

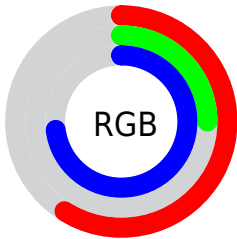
Format	Color
R_{YB}	151, 65, 187
Decimal	9912763
CIE _{Lab}	44.16, 55.06, -48.98
CIE _{LCh}	44, 73.694, 318.345
Yxy	13.9478, 0.2746, 0.1621
Android (android.graphics.Color)	4288102843 (0xFF9741BB)
YUV	104.6220, 40.6124, 40.6735
Hunter-Lab	37.3468, 47.5472, -50.7916

Details

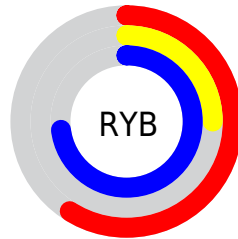
The XYZ color **23.6224, 13.9478, 48.4609** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **24.0918, 38.6894, 11.1996**, and the grayscale version is **13.2176, 13.9059, 15.1436**.

A 20% lighter version of the original color is **48.8200, 32.8984, 89.3649**, and **9.0575, 4.1803, 22.5198** is the 20% darker color. If you saturate the color by 10%, you get **21.7210, 11.6294, 48.1139**, and if you desaturate by 10%, it is **25.9281, 17.0025, 48.9292**.

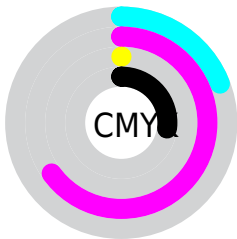
Distribution



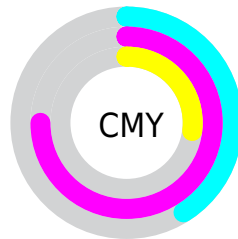
- Red (59%)
- Green (25%)
- Blue (73%)



- Red (59%)
- Yellow (25%)
- Blue (73%)



- Cyan (19%)
- Magenta (65%)
- Yellow (0%)
- Black (27%)



- Cyan (41%)
- Magenta (75%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6224, 13.9478, 48.4609 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 23.6224, 13.9478, 48.4609 by changing the saturation by 10% instead.

■ 23.6224, 13.9478,
48.4609

■ 23.6224, 13.9478,
48.4609

263.3819,
216.9058, 397.1774

■ 15.1770, 8.0844,
33.8294

■ 48.8725, 32.9964,
89.2629

■ 9.0308, 4.1490,
22.4863

■ 66.4078, 46.9503,
116.2706

■ 4.8186, 1.7572,
14.0129

■ 87.7039, 64.3699,
148.2407

■ 2.1749, 0.4603,
7.9908

■ 113.1260, 85.6395,
185.5918

■ 0.7294, 0.0000,
4.0014

■ 143.0395,
111.1434, 228.7425

■ 0.0000, 0.0000,
1.6261

177.8097,

■ 0.0000, 0.0000,

141.2662, 278.1113

0.3093

217.8021,
176.3922, 334.1168

■ 0.0000, 0.0000,
0.0000

■ 23.6224, 13.9478,
48.4609

■ 23.6224, 13.9478,
48.4609

■ 21.7210, 11.6294,
48.1139

■ 25.9281, 17.0025,
48.9292

■ 20.1850, 9.9722,
47.8749

■ 28.6688, 20.8555,
49.5285

■ 18.9693, 8.8863,
47.7294

■ 31.8737, 25.5640,
50.2684

■ 18.4573, 8.4789,
47.6778

■ 35.5690, 31.1794,
51.1575

■ 39.7789, 37.7490,
52.2037

■ 44.5256, 45.3167,
53.4142

■ 49.8303, 53.9238,
54.7960

■ 55.7128, 63.6089,
56.3554

■ 62.1919, 74.4091,
58.0985

Harmonies

Analogous

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



17.1422, 13.9478, 71.2917



23.6224, 13.9478, 48.4609



27.6940, 13.9478, 22.7095

Triad

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



23.6224, 13.9478, 48.4609



15.6739, 13.9478, 0.2768



5.1623, 13.9478, 27.8237

Complementary

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



23.6224, 13.9478, 48.4609



24.0918, 38.6894, 11.1996

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.



4.9824, 13.9478, 9.5412



23.6224, 13.9478, 48.4609



10.0081, 13.9478, 0.4325

Square

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



23.6224, 13.9478, 48.4609



22.2777, 13.9478, 1.5680



6.4781, 13.9478, 2.2326



7.0743, 13.9478, 54.4850

Rectangle

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



23.6224, 13.9478, 48.4609



27.8797, 13.9478, 10.9563



6.4781, 13.9478, 2.2326



4.9236, 13.9478, 20.3863

Sweetspot

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



23.6230, 13.9484, 48.4612



67.2920, 61.4068, 92.5074



15.8623, 14.1367, 48.9066



14.3587, 12.8074, 20.2579



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.6230, 13.9484, 48.4612



37.7209, 19.5000, 85.9772



28.9593, 16.9759, 36.2136



9.6483, 9.5511, 12.0072



12.7922, 5.8807, 32.8538



0.5636, 0.2626, 1.2898

Inverse Universe

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



24.7332, 15.2855, 13.9594



40.7535, 22.5999, 16.6970



21.7708, 37.3929, 15.6103



9.6429, 9.5815, 10.5085



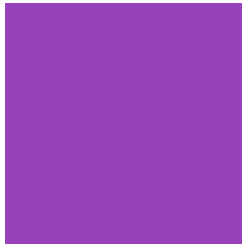
14.6263, 7.4817, 3.3259



0.6026, 0.3049, 0.2864

Previews

White Background



This preview shows how the XYZ color 23.6224, 13.9478, 48.4609 looks on a white background.

Color Contrast Check

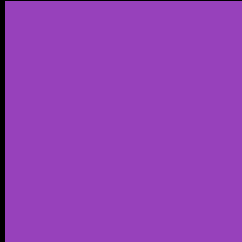
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6224, 13.9478, 48.4609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

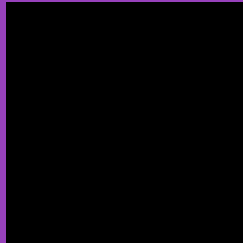
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6224, 13.9478, 48.4609

Background



This preview shows how black text looks on a background with the XYZ color 23.6224, 13.9478, 48.4609.



This preview shows how white text looks on a background with the XYZ color 23.6224, 13.9478,

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

23.6224, 13.9478, 48.4609

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.5573, 14.2157, 44.6245



Tritanopia

16.5605, 13.9584, 13.6258

Trichromacy



Original Color

23.6224, 13.9478, 48.4609



Protanomaly

16.0847, 12.1995, 59.2646



Deuteranomaly

16.0223, 12.8380, 45.8895



Tritanomaly

18.4417, 13.5129, 23.1090

Monochromacy



Original Color

23.6224, 13.9478, 48.4609



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

16.0554, 13.1992, 24.6232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6224, 13.9478, 48.4609 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(151, 65, 187)` looks like.

```
.text, #text, p{  
    color:rgb(151, 65, 187)  
}
```

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(151, 65, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 65, 187) }
```

Border

The CSS property to change the border of an element to XYZ 23.6224, 13.9478, 48.4609 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(151, 65, 187) }
```


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

```
.border{ border-color:rgb(151, 65, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 65, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 65, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 65, 187); box-shadow:4px 4px 4px 4px rgb(151, 65, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6224, 13.9478, 48.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 65, 187) }
```

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

```
.background{ background-color: rgb(151, 65,  
187) }
```

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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