

Converting Colors

XYZ(15.6593, 9.4365, 23.9724)

Have a look what the booklet for
XYZ(15.6593, 9.4365, 23.9724)
contains.

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Color

**XYZ(15.6380, 9.4464,
23.9208)**

Conversions

Conversions Part 1

Format	Color
Hex	873587
RGB	135, 53, 135
RGB Percent	53%, 21%, 53%
CMY	0.4706, 0.7921, 0.4706
CMYK	0.00, 0.61, 0.00, 0.47
HSL	300°, 44%, 37%
HSV	300°, 61%, 53%
XYZ	15.6380, 9.4464, 23.9208
YIQ	86.8660, 22.5500, 42.8860

Conversions

Conversions Part 2

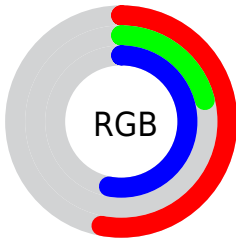
Format	Color
R_{YB}	135, 53, 135
Decimal	8861063
CIE _{Lab}	36.83, 46.26, -29.59
CIE _{LCh}	37, 54.919, 327.394
Yxy	9.4464, 0.3191, 0.1928
Android (android.graphics.Color)	4287051143 (0xFF873587)
YUV	86.8660, 23.7301, 42.2135
Hunter-Lab	30.7350, 37.0348, -24.6304

Details

The XYZ color **15.6380, 9.4464, 23.9208** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **10.7752, 18.3424, 6.3412**, and the grayscale version is **8.9780, 9.4455, 10.2862**.

A 20% lighter version of the original color is **35.4721, 24.7244, 51.0468**, and **5.1194, 2.4497, 8.7974** is the 20% darker color. If you saturate the color by 10%, you get **15.1072, 8.3846, 23.7439**, and if you desaturate by 10%, it is **16.3429, 10.8559, 24.1559**.

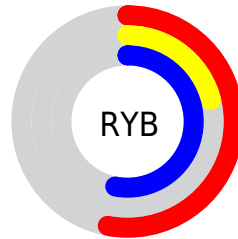
Distribution



Red (53%)

Green (21%)

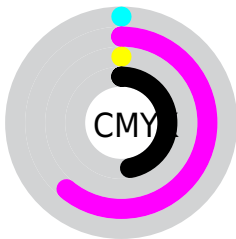
Blue (53%)



Red (53%)

Yellow (21%)

Blue (53%)

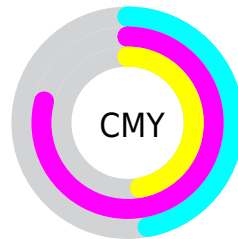


Cyan (0%)

Magenta (61%)

Yellow (0%)

Black (47%)



Cyan (47%)

Magenta (79%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6380, 9.4464, 23.9208 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 15.6380, 9.4464, 23.9208 by changing the saturation by 10% instead.

15.6380, 9.4464,
23.9208

15.6380, 9.4464,
23.9208

220.5087,
186.6740, 285.6935

9.3576, 5.0335,
15.0632

35.5311, 24.7489,
50.8431

5.0341, 2.2669,
8.7167

49.8746, 36.4073,
69.7450

2.3023, 0.7561,
4.4626

67.6364, 51.2496,
92.8320

0.7958, 0.0000,
1.8824

89.1820, 69.6602,
120.5227

0.0000, 0.0000,
0.4815

114.8766, 92.0236,
153.2357

0.0000, 0.0000,
0.0000

145.0857,

118.7241, 191.3894

180.1746,
150.1461, 235.4025

■ 15.6380, 9.4464,
23.9208

■ 15.6380, 9.4464,
23.9208

■ 15.1072, 8.3846,
23.7439

■ 16.3429, 10.8559,
24.1559

■ 14.7345, 7.6392,
23.6196

■ 17.2340, 12.6382,
24.4530

■ 14.5027, 7.1756,
23.5423

■ 18.3238, 14.8178,
24.8163

■ 14.3650, 6.9003,
23.4964

■ 19.6232, 17.4166,
25.2495

■ 21.1424, 20.4549,
25.7559

■ 22.8908, 23.9517,
26.3388

■ 24.8775, 27.9250,
27.0011

■ 27.1108, 32.3917,
27.7455

■ 29.5989, 37.3679,
28.5750

Harmonies

Analogous

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



12.3114, 9.4464, 37.2247



15.6380, 9.4464, 23.9208



17.1571, 9.4464, 11.1548

Triad

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



15.6380, 9.4464, 23.9208



9.2771, 9.4464, 0.6039



4.3577, 9.4464, 21.4400

Complementary

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



15.6380, 9.4464, 23.9208



10.7752, 18.3424, 6.3412

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.



3.9270, 9.4464, 9.4626



15.6380, 9.4464, 23.9208



6.3090, 9.4464, 1.0320

Square

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



15.6380, 9.4464, 23.9208



12.9537, 9.4464, 1.2256



4.5426, 9.4464, 3.1647



5.9132, 9.4464, 35.2660

Rectangle

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



15.6380, 9.4464, 23.9208



16.7138, 9.4464, 5.6661



4.5426, 9.4464, 3.1647



4.0966, 9.4464, 16.9099

Sweetspot

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



15.6383, 9.4468, 23.9210



35.7403, 32.3880, 45.4160



7.1149, 5.0528, 23.5224



8.1237, 7.1940, 10.4667



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.6383, 9.4468, 23.9210



26.7615, 14.4306, 42.4226



13.2856, 8.5057, 11.5318



4.8579, 4.7628, 5.8640



13.2461, 6.3628, 21.6662



0.0459, 0.0220, 0.0751

Inverse Universe

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



15.6383, 9.4468, 23.9210



26.7615, 14.4306, 42.4226



12.1530, 18.8935, 13.5965



4.8579, 4.7628, 5.8640



13.2461, 6.3628, 21.6662



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 15.6380, 9.4464, 23.9208 looks on a white background.

Color Contrast Check

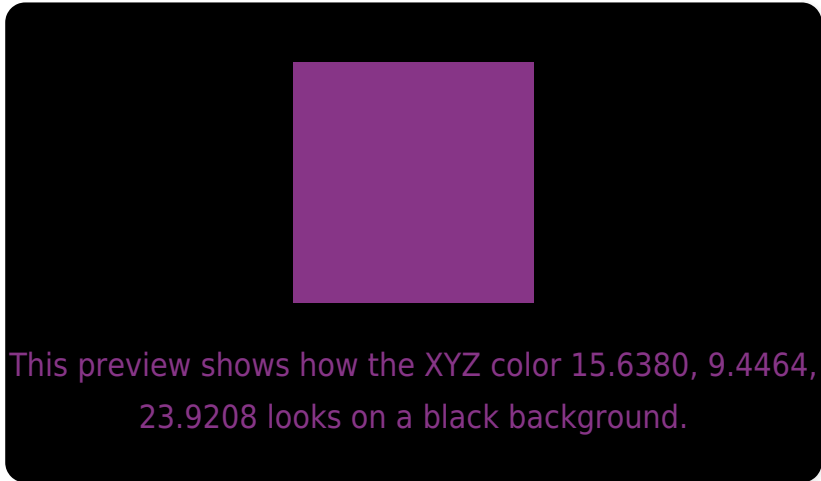
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

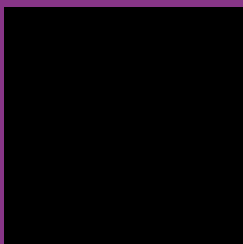
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6380, 9.4464, 23.9208

Background



This preview shows how black text looks on a background with the XYZ color 15.6380, 9.4464, 23.9208.



This preview shows how white text looks on a background with the XYZ color 15.6380, 9.4464,

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

15.6380, 9.4464, 23.9208

Protanopia

11.0315, 9.7352, 36.4196

Deuteranopia

9.8249, 9.6666, 22.1169



Tritanopia

12.3622, 9.4775, 7.8344

Trichromacy



Original Color

15.6380, 9.4464, 23.9208



Protanomaly

11.2742, 8.6847, 31.2191



Deuteranomaly

11.1270, 8.9980, 22.6231



Tritanomaly

13.3511, 9.3552, 12.4113

Monochromacy



Original Color

15.6380, 9.4464, 23.9208



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

10.7237, 8.9747, 14.2638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6380, 9.4464, 23.9208 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(135, 53, 135)` looks like.

```
.text, #text, p{  
    color:rgb(135, 53, 135)  
}
```

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(135, 53, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 53, 135) }
```

Border

The CSS property to change the border of an element to XYZ 15.6380, 9.4464, 23.9208 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(135, 53, 135) }
```


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

```
.border{ border-color:rgb(135, 53, 135) }
```

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

Here you see how a box with a 4 pixel rgb(135, 53, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 53, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 53, 135);  
box-shadow:4px 4px 4px 4px rgb(135, 53,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6380, 9.4464, 23.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 53, 135) }
```

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

```
.background{ background-color: rgb(135, 53,  
135) }
```

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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