

Converting Colors

XYZ(23.4243, 14.7478, 28.1455)

Have a look what the booklet for
XYZ(23.4243, 14.7478, 28.1455)
contains.

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Color

**XYZ(23.3726, 14.7188,
27.9947)**

Conversions

Conversions Part 1

Format	Color
Hex	A84690
RGB	168, 70, 144
RGB Percent	66%, 27%, 56%
CMY	0.3412, 0.7255, 0.4353
CMYK	0.00, 0.58, 0.14, 0.34
HSL	315°, 41%, 47%
HSV	315°, 58%, 66%
XYZ	23.3726, 14.7188, 27.9947
YIQ	107.7380, 34.6540, 43.7900

Conversions

Conversions Part 2

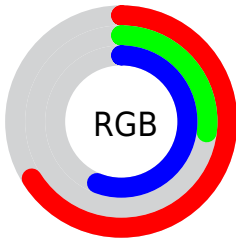
Format	Color
RYB	168, 70, 144
Decimal	11028112
CIELab	45.25, 49.26, -21.58
CIELCh	45, 53.776, 336.344
Yxy	14.7188, 0.3537, 0.2227
Android (android.graphics.Color)	4289218192 (0xFFA84690)
YUV	107.7380, 17.8772, 52.8498
Hunter-Lab	38.3651, 41.6060, -16.4079

Details

The XYZ color **23.3726, 14.7188, 27.9947** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.5495, 30.1159, 15.4262**, and the grayscale version is **14.1260, 14.8617, 16.1844**.

A 20% lighter version of the original color is **48.3273, 34.2507, 57.4900**, and **8.8835, 4.4964, 10.7556** is the 20% darker color. If you saturate the color by 10%, you get **22.1562, 12.7799, 26.0659**, and if you desaturate by 10%, it is **24.8954, 17.2516, 30.0824**.

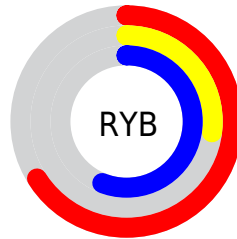
Distribution



Red (66%)

Green (27%)

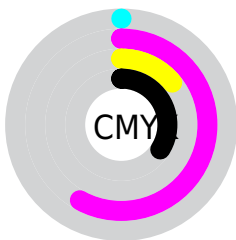
Blue (56%)



Red (66%)

Yellow (27%)

Blue (56%)

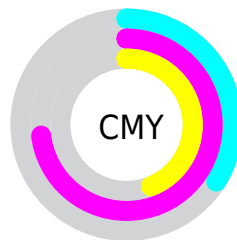


Cyan (0%)

Magenta (58%)

Yellow (14%)

Black (34%)



Cyan (34%)

Magenta (73%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3726, 14.7188, 27.9947 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 23.3726, 14.7188, 27.9947 by changing the saturation by 10% instead.

■ 23.3726, 14.7188,
27.9947

■ 23.3726, 14.7188,
27.9947

262.1328,
221.6578, 306.3527

■ 14.9911, 8.6223,
18.0827

■ 48.4666, 34.3591,
57.4990

■ 8.8994, 4.4956,
10.8393

■ 65.9098, 48.6717,
77.9283

■ 4.7322, 1.9545,
5.8461

■ 87.1042, 66.4917,
102.7005

■ 2.1241, 0.5808,
2.6844

■ 112.4152, 88.2036,
132.2340

■ 0.7023, 0.0000,
0.9356

■ 142.2083,
114.1918, 166.9474

■ 0.0000, 0.0000,
0.0000

176.8486,

144.8406, 207.2594

216.7017,
180.5345, 253.5883

■ 23.3726, 14.7188,
27.9947

■ 23.3726, 14.7188,
27.9947

■ 22.1562, 12.7799,
26.0659

■ 24.8954, 17.2516,
30.0824

■ 21.2194, 11.3824,
24.2861

■ 26.7455, 20.4208,
32.3363

■ 20.5332, 10.4679,
22.6452

■ 28.9438, 24.2676,
34.7640

■ 20.0452, 9.9322,
21.1252

■ 31.5088, 28.8289,
37.3722

■ 19.9698, 9.8534,
20.8787

■ 34.4577, 34.1390,
40.1672

■ 37.8068, 40.2302,
43.1550

■ 41.5713, 47.1325,
46.3411

■ 45.7654, 54.8747,
49.7310

■ 50.4030, 63.4840,
53.3297

Harmonies

Analogous

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



19.6926, 14.7188, 44.9435



23.3726, 14.7188, 27.9947



24.3230, 14.7188, 13.4702

Triad

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



23.3726, 14.7188, 27.9947



13.0662, 14.7188, 1.9304



8.1717, 14.7188, 35.3561

Complementary

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



23.3726, 14.7188, 27.9947



18.5495, 30.1159, 15.4262

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.



7.0970, 14.7188, 18.8868



23.3726, 14.7188, 27.9947



9.5103, 14.7188, 3.2883

Square

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



23.3726, 14.7188, 27.9947



17.7081, 14.7188, 2.4340



7.5292, 14.7188, 8.0727



10.8322, 14.7188, 50.5411

Rectangle

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



23.3726, 14.7188, 27.9947



23.1348, 14.7188, 7.4316



7.5292, 14.7188, 8.0727



7.6419, 14.7188, 29.5317

Sweetspot

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



23.3731, 14.7195, 27.9950



57.6896, 53.2319, 68.3178



13.7596, 9.5286, 38.1599



12.3666, 11.2313, 14.6872



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.3731, 14.7195, 27.9950



39.6527, 22.3438, 46.3186



20.4567, 13.5529, 12.6374



7.7622, 7.6347, 9.0650



15.1014, 7.4493, 15.8773



0.3858, 0.1886, 0.4832

Inverse Universe

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



23.3731, 14.7195, 27.9950



39.6527, 22.3438, 46.3186



21.4015, 31.2567, 30.4445



7.7622, 7.6347, 9.0650



15.1014, 7.4493, 15.8773



0.3858, 0.1886, 0.4832

Previews

White Background



This preview shows how the XYZ color 23.3726, 14.7188, 27.9947 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 23.3726, 14.7188, 27.9947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

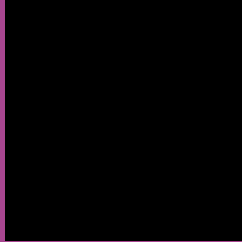
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3726, 14.7188, 27.9947

Background



This preview shows how black text looks on a background with the XYZ color 23.3726, 14.7188, 27.9947.



This preview shows how white text looks on a background with the XYZ color 23.3726, 14.7188,

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

23.3726, 14.7188, 27.9947

Protanopia

16.0801, 15.0805, 41.0930

Deuteranopia

15.2210, 14.9678, 26.1316



Tritanopia

19.8738, 14.7433, 11.2495

Trichromacy



Original Color

23.3726, 14.7188, 27.9947

Protanomaly

17.2460, 13.9480, 35.9657

Deuteranomaly

17.2522, 14.1578, 26.6344

Tritanomaly

20.8661, 14.5886, 16.1841

Monochromacy



Original Color

23.3726, 14.7188, 27.9947

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.6598, 14.1317, 19.9388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3726, 14.7188, 27.9947 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(168, 70, 144)` looks like.

```
.text, #text, p{  
    color:rgb(168, 70, 144)  
}
```

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(168, 70, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 70, 144) }
```

Border

The CSS property to change the border of an element to XYZ 23.3726, 14.7188, 27.9947 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(168, 70, 144) }
```


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

```
.border{ border-color:rgb(168, 70, 144) }
```

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

Here you see how a box with a 4 pixel rgb(168, 70, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 70, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 70, 144);  
box-shadow:4px 4px 4px 4px rgb(168, 70,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3726, 14.7188, 27.9947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 70, 144) }
```

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

```
.background{ background-color: rgb(168, 70,  
144) }
```

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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