

Converting Colors

XYZ(23.9944, 13.8124, 23.4947)

Have a look what the booklet for
XYZ(23.9944, 13.8124, 23.4947)
contains.

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Color

**XYZ(24.1432, 13.9155,
23.6038)**

Conversions

Conversions Part 1

Format	Color
Hex	B33685
RGB	179, 54, 133
RGB Percent	70%, 21%, 52%
CMY	0.2980, 0.7882, 0.4784
CMYK	0.00, 0.70, 0.26, 0.30
HSL	322°, 54%, 46%
HSV	322°, 70%, 70%
XYZ	24.1432, 13.9155, 23.6038
YIQ	100.3810, 49.1410, 51.0690

Conversions

Conversions Part 2

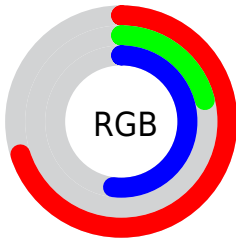
Format	Color
R_{YB}	179, 54, 133
Decimal	11744901
CIE _{Lab}	44.11, 57.56, -16.50
CIE _{LCh}	44, 59.875, 344.000
Yxy	13.9155, 0.3915, 0.2257
Android (android.graphics.Color)	4289934981 (0xFFB33685)
YUV	100.3810, 16.0812, 68.9489
Hunter-Lab	37.3035, 50.2459, -11.4033

Details

The XYZ color **24.1432, 13.9155, 23.6038** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **19.9425, 33.9450, 17.5594**, and the grayscale version is **12.1626, 12.7960, 13.9348**.

A 20% lighter version of the original color is **49.6988, 32.8742, 50.1803**, and **9.5874, 4.7621, 8.5975** is the 20% darker color. If you saturate the color by 10%, you get **23.0172, 12.3690, 21.0530**, and if you desaturate by 10%, it is **25.6051, 16.0878, 26.4077**.

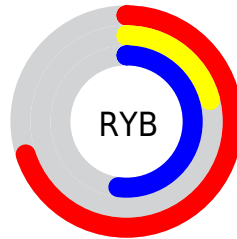
Distribution



Red (70%)

Green (21%)

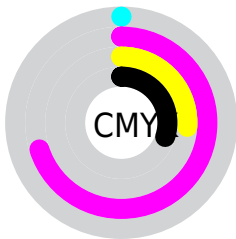
Blue (52%)



Red (70%)

Yellow (21%)

Blue (52%)

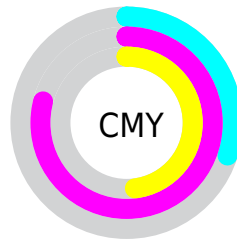


Cyan (0%)

Magenta (70%)

Yellow (26%)

Black (30%)



Cyan (30%)

Magenta (79%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1432, 13.9155, 23.6038 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 24.1432, 13.9155, 23.6038 by changing the saturation by 10% instead.

■ 24.1432, 13.9155,
23.6038

■ 24.1432, 13.9155,
23.6038

265.9707,
216.7045, 284.0330

■ 15.5652, 8.0619,
14.8305

■ 49.7168, 32.9390,
50.3186

■ 9.3059, 4.1346,
8.5552

■ 67.4430, 46.8777,
69.0971

■ 4.9999, 1.7491,
4.3594

■ 88.9494, 64.2803,
92.0479

■ 2.2820, 0.4552,
1.8245

■ 114.6013, 85.5311,
119.5893

■ 0.7854, 0.0000,
0.4440

■ 144.7640,
111.0145, 152.1400

■ 0.0000, 0.0000,
0.0000

179.8029,

141.1150, 190.1185

220.0833,
176.2168, 233.9433

■ 24.1432, 13.9155,
23.6038

■ 24.1432, 13.9155,
23.6038

■ 23.0172, 12.3690,
21.0530

■ 25.6051, 16.0878,
26.4077

■ 22.1897, 11.3749,
18.7398

■ 27.4324, 18.9444,
29.4766

■ 21.5878, 10.7880,
16.6376

■ 29.6524, 22.5393,
32.8222

■ 21.5781, 10.7788,
16.6028

■ 32.2897, 26.9206,
36.4550

■ 35.3665, 32.1323,
40.3848

■ 38.9037, 38.2149,
44.6208

■ 42.9204, 45.2066,
49.1715

■ 47.4350, 53.1430,
54.0453

■ 52.4647, 62.0580,
59.2501

Harmonies

Analogous

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



20.6729, 13.9155, 42.9793



24.1432, 13.9155, 23.6038



24.2672, 13.9155, 9.6453

Triad

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



24.1432, 13.9155, 23.6038



11.1297, 13.9155, 1.2858



7.6661, 13.9155, 41.6933

Complementary

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



24.1432, 13.9155, 23.6038



19.9425, 33.9450, 17.5594

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.



6.1752, 13.9155, 22.4336



24.1432, 13.9155, 23.6038



7.8245, 13.9155, 3.0244

Square

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



24.1432, 13.9155, 23.6038



15.9181, 13.9155, 1.3321



6.2252, 13.9155, 9.0047



10.8564, 13.9155, 57.0076

Rectangle

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



24.1432, 13.9155, 23.6038



22.3773, 13.9155, 4.7002



6.2252, 13.9155, 9.0047



6.9879, 13.9155, 35.0907

Sweetspot

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



24.1436, 13.9162, 23.6041



62.4469, 56.0241, 71.2186



14.6939, 8.5938, 43.5323



13.4922, 11.8293, 15.3467



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.



24.1436, 13.9162, 23.6041



40.3333, 21.0444, 35.3385



21.0368, 12.6735, 7.2438



8.7147, 8.5926, 9.9960



15.2802, 7.6297, 11.9017



0.5077, 0.2508, 0.5164

Inverse Universe

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



24.1436, 13.9162, 23.6041



40.3333, 21.0444, 35.3385



24.1932, 35.6453, 39.9436



8.7147, 8.5926, 9.9960



15.2802, 7.6297, 11.9017



0.5077, 0.2508, 0.5164

Previews

White Background



This preview shows how the XYZ color 24.1432, 13.9155, 23.6038 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 24.1432, 13.9155, 23.6038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

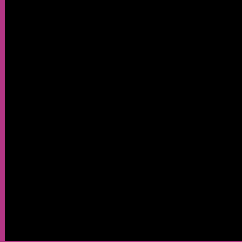
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1432, 13.9155, 23.6038

Background



This preview shows how black text looks on a background with the XYZ color 24.1432, 13.9155, 23.6038.



This preview shows how white text looks on a background with the XYZ color 24.1432, 13.9155,

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

24.1432, 13.9155, 23.6038

Protanopia

15.3304, 14.2650, 39.9756

Deuteranopia

14.4418, 14.2101, 21.7203



Tritanopia

20.9157, 13.8870, 8.2347

Trichromacy



Original Color

24.1432, 13.9155, 23.6038

Protanomaly

16.4045, 12.5762, 33.4611

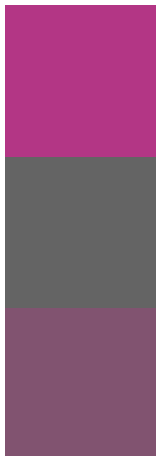
Deuteranomaly

16.7267, 12.9875, 22.3941

Tritanomaly

21.8492, 13.7414, 12.5671

Monochromacy



Original Color

24.1432, 13.9155, 23.6038

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.0711, 12.0235, 16.8557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1432, 13.9155, 23.6038 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, 54, 133)` looks like.

```
.text, #text, p{  
  color:rgb(179, 54, 133)  
}
```

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, 54, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 54, 133) }
```

Border

The CSS property to change the border of an element to XYZ 24.1432, 13.9155, 23.6038 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, 54, 133) }
```


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

```
.border{ border-color:rgb(179, 54, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 54, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 54, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 54, 133);  
box-shadow:4px 4px 4px 4px rgb(179, 54,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1432, 13.9155, 23.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 54, 133) }
```

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

```
.background{ background-color: rgb(179, 54,  
133) }
```

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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