

Converting Colors

XYZ(23.9908, 13.6961, 11.9387)

Have a look what the booklet for
XYZ(23.9908, 13.6961, 11.9387)
contains.

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Color

**XYZ(24.0636, 13.7409,
11.9736)**

Conversions

Conversions Part 1

Format	Color
Hex	BD305E
RGB	189, 48, 94
RGB Percent	74%, 19%, 37%
CMY	0.2588, 0.8117, 0.6314
CMYK	0.00, 0.75, 0.50, 0.26
HSL	340°, 59%, 46%
HSV	340°, 75%, 74%
XYZ	24.0636, 13.7409, 11.9736
YIQ	95.4030, 69.2700, 44.1980

Conversions

Conversions Part 2

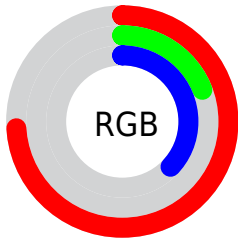
Format	Color
RYB	189, 48, 94
Decimal	12398686
CIELab	43.86, 58.30, 7.39
CIElCh	44, 58.761, 7.221
Yxy	13.7409, 0.4834, 0.2760
Android (android.graphics.Color)	4290588766 (0xFFBD305E)
YUV	95.4030, -0.6917, 82.0846
Hunter-Lab	37.0687, 51.0051, 6.7968

Details

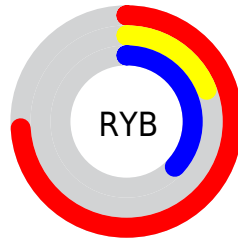
The XYZ color **24.0636, 13.7409, 11.9736** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **24.3756, 39.0072, 32.2349**, and the grayscale version is **10.9649, 11.5360, 12.5627**.

A 20% lighter version of the original color is **49.6124, 32.6457, 30.0719**, and **9.7394, 4.9592, 3.2402** is the 20% darker color. If you saturate the color by 10%, you get **22.9234, 12.3010, 9.0030**, and if you desaturate by 10%, it is **25.6279, 15.8784, 15.5511**.

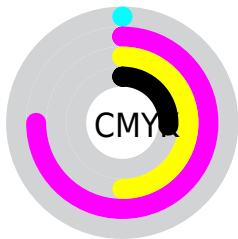
Distribution



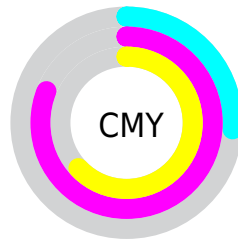
- Red (74%)
- Green (19%)
- Blue (37%)



- Red (74%)
- Yellow (19%)
- Blue (37%)



- Cyan (0%)
- Magenta (75%)
- Yellow (50%)
- Black (26%)





- Cyan (26%)
- Magenta (81%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0636, 13.7409, 11.9736 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 24.0636, 13.7409, 11.9736 by changing the saturation by 10% instead.


 24.0636, 13.7409,
11.9736

 24.0636, 13.7409,
11.9736


265.5764,
215.6129, 215.2021


 15.5058, 7.9407,
6.6034


 49.5879, 32.6286,
30.1107

 9.2637, 4.0570,
3.1407


 67.2851, 46.4848,
43.7146


 4.9721, 1.7055,
1.1669

 88.7594, 63.7952,
60.9003

 2.2655, 0.4272,
0.0000

 114.3763, 84.9441,
82.0861

 0.7769, 0.0000,
0.0000

 144.5011,
110.3160, 107.6906

 0.0000, 0.0000,
0.0000

 179.4992,

140.2951, 138.1325

219.7358,
175.2660, 173.8301

■ 24.0636, 13.7409,
11.9736

■ 24.0636, 13.7409,
11.9736

■ 22.9234, 12.3010,
9.0030

■ 25.6279, 15.8784,
15.5511

■ 22.1567, 11.4643,
6.5991

■ 27.6569, 18.7873,
19.7698

■ 21.8461, 11.1628,
5.5105

■ 30.1872, 22.5346,
24.6620

■ 33.2513, 27.1790,
30.2573

■ 36.8789, 32.7744,
36.5835

■ 41.0974, 39.3699,
43.6668

■ 45.9324, 47.0116,
51.5319

■ 51.4081, 55.7424,
60.2025

■ 57.5471, 65.6031,
69.7012

Harmonies

Analogous

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



23.1362, 13.7409, 27.1975



24.0636, 13.7409, 11.9736



21.5325, 13.7409, 4.2158

Triad

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



24.0636, 13.7409, 11.9736



8.3721, 13.7409, 2.4435



9.9011, 13.7409, 53.0577

Complementary

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



24.0636, 13.7409, 11.9736



24.3756, 39.0072, 32.2349

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.



7.1654, 13.7409, 36.3551



24.0636, 13.7409, 11.9736



6.4397, 13.7409, 7.0879

Square

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



24.0636, 13.7409, 11.9736



11.9705, 13.7409, 1.2328



6.0573, 13.7409, 18.4092



14.2144, 13.7409, 57.3313

Rectangle

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



24.0636, 13.7409, 11.9736



18.5115, 13.7409, 2.1195



6.0573, 13.7409, 18.4092



8.8005, 13.7409, 48.3746

Sweetspot

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



24.0640, 13.7417, 11.9738



67.6533, 61.1930, 68.2507



21.3985, 11.5399, 49.2435



14.1346, 12.5155, 13.9716



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.



24.0640, 13.7417, 11.9738



40.0504, 20.9007, 13.0736



23.8056, 15.6037, 4.5545



9.6550, 9.5863, 10.5724



14.7304, 7.5233, 3.8742



0.6078, 0.3070, 0.3139

Inverse Universe

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



24.0640, 13.7417, 11.9738



40.0504, 20.9007, 13.0736



23.9505, 31.3943, 52.9413



9.6550, 9.5863, 10.5724



14.7304, 7.5233, 3.8742



0.6078, 0.3070, 0.3139

Previews

White Background



This preview shows how the XYZ color 24.0636, 13.7409, 11.9736 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 24.0636, 13.7409, 11.9736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

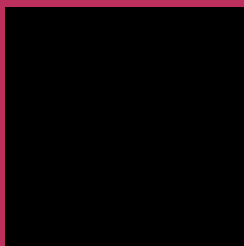
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0636, 13.7409, 11.9736

Background



This preview shows how black text looks on a background with the XYZ color 24.0636, 13.7409, 11.9736.



This preview shows how white text looks on a background with the XYZ color 24.0636, 13.7409,

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

24.0636, 13.7409, 11.9736

Protanopia

13.8439, 14.0652, 21.0540

Deuteranopia

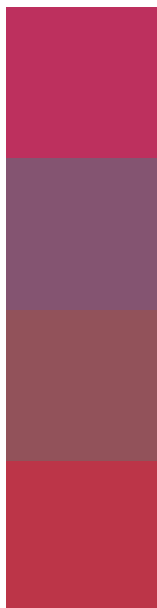
14.2591, 14.0604, 10.9792



Tritanopia

22.6971, 13.7089, 5.5875

Trichromacy



Original Color

24.0636, 13.7409, 11.9736

Protanomaly

15.6667, 12.4384, 17.1979

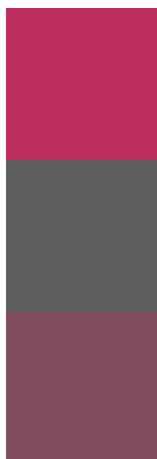
Deuteranomaly

16.7168, 12.8838, 11.2786

Tritanomaly

23.1818, 13.7055, 7.5545

Monochromacy



Original Color

24.0636, 13.7409, 11.9736

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.8432, 10.9421, 12.2089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0636, 13.7409, 11.9736 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(189, 48, 94)` looks like.

```
.text, #text, p{  
    color:rgb(189, 48, 94)  
}
```

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(189, 48, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 48, 94) }
```

Border

The CSS property to change the border of an element to XYZ 24.0636, 13.7409, 11.9736 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(189, 48, 94) }
```


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

```
.border{ border-color:rgb(189, 48, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 48, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 48, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 48, 94);  
box-shadow:4px 4px 4px 4px rgb(189, 48,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0636, 13.7409, 11.9736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 48, 94) }
```

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

```
.background{ background-color: rgb(189, 48,  
94) }
```

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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