

Converting Colors

XYZ(23.6256, 13.4326, 24.9249)

Have a look what the booklet for
XYZ(23.6256, 13.4326, 24.9249)
contains.

| | |
|--|----|
| XYZ(23.6037, 13.4039, 25.0101) | 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(23.6037, 13.4039,
25.0101)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B03389 |
| RGB | 176, 51, 137 |
| RGB Percent | 69%, 20%, 54% |
| CMY | 0.3098, 0.8000, 0.4627 |
| CMYK | 0.00, 0.71, 0.22, 0.31 |
| HSL | 319°, 55%, 45% |
| HSV | 319°, 71%, 69% |
| XYZ | 23.6037, 13.4039, 25.0101 |
| YIQ | 98.1790, 46.8940, 53.2460 |

Conversions

Conversions Part 2

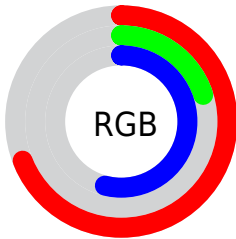
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 176, 51, 137 |
| Decimal | 11547529 |
| CIE _{Lab} | 43.37, 58.39, -20.13 |
| CIE _{LCh} | 43, 61.766, 340.979 |
| Yxy | 13.4039, 0.3806, 0.2161 |
| Android (android.graphics.Color) | 4289737609 (0xFFB03389) |
| YUV | 98.1790, 19.1388, 68.2490 |
| Hunter-Lab | 36.6113, 51.0109, -14.8745 |

Details

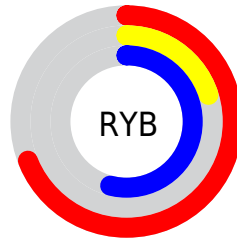
The XYZ color **23.6037, 13.4039, 25.0101** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.7368, 32.4932, 14.9587**, and the grayscale version is **11.6004, 12.2045, 13.2907**.

A 20% lighter version of the original color is **49.0275, 32.1489, 52.9115**, and **9.3280, 4.6101, 9.4150** is the 20% darker color. If you saturate the color by 10%, you get **22.5912, 11.9931, 22.7782**, and if you desaturate by 10%, it is **24.9282, 15.4060, 27.4451**.

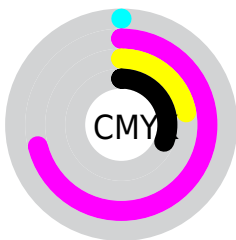
Distribution



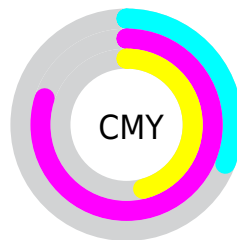
- Red (69%)
- Green (20%)
- Blue (54%)



- Red (69%)
- Yellow (20%)
- Blue (54%)



- Cyan (0%)
- Magenta (71%)
- Yellow (22%)
- Black (31%)





- Cyan (31%)
- Magenta (80%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6037, 13.4039, 25.0101 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 23.6037, 13.4039, 25.0101 by changing the saturation by 10% instead.


 23.6037, 13.4039,
25.0101


 23.6037, 13.4039,
25.0101


263.2886,
213.4902, 291.3375


 15.1630, 7.7073,
15.8655


 48.8421, 32.0275,
52.6379


 9.0210, 3.9082,
9.2757


 66.3706, 45.7233,
71.9582


 4.8121, 1.6223,
4.8222

 87.6591, 62.8542,
95.5075

 2.1710, 0.3726,
2.0864

 113.0729, 83.8047,
123.7043

 0.7274, 0.0000,
0.6077

 142.9773,
108.9592, 156.9672

 0.0000, 0.0000,
0.0000

 177.7379,

138.7020, 195.7146

217.7198,
173.4175, 240.3652

■ 23.6037, 13.4039,
25.0101

■ 23.6037, 13.4039,
25.0101

■ 22.5912, 11.9931,
22.7782

■ 24.9282, 15.4060,
27.4451

■ 21.8541, 11.1019,
20.7356

■ 26.5929, 18.0565,
30.0938

■ 21.3610, 10.6127,
19.0392

■ 28.6246, 21.4076,
32.9665

■ 31.0467, 25.5061,
36.0725

■ 33.8806, 30.3944,
39.4202

■ 37.1462, 36.1118,
43.0176

■ 40.8620, 42.6949,
46.8722

■ 45.0455, 50.1783,
50.9910

■ 49.7133, 58.5945,
55.3808

Harmonies

Analogous

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



19.7983, 13.4039, 45.0086



23.6037, 13.4039, 25.0101



24.1124, 13.4039, 10.1186

Triad

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



23.6037, 13.4039, 25.0101



11.0625, 13.4039, 0.9882



6.9673, 13.4039, 39.6829

Complementary

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



23.6037, 13.4039, 25.0101



18.7368, 32.4932, 14.9587

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.



5.6599, 13.4039, 20.2272



23.6037, 13.4039, 25.0101



7.5971, 13.4039, 2.3551

Square

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



23.6037, 13.4039, 25.0101



15.9894, 13.4039, 1.1563



5.8570, 13.4039, 7.5661



9.9636, 13.4039, 56.5342

Rectangle

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



23.6037, 13.4039, 25.0101



22.3994, 13.4039, 4.7816



5.8570, 13.4039, 7.5661



6.3544, 13.4039, 32.8563

Sweetspot

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



23.6041, 13.4046, 25.0103



61.2556, 54.7910, 71.2756



13.0931, 7.6023, 41.8519



12.9613, 11.3299, 15.0847



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.6041, 13.4046, 25.0103



40.1842, 20.7597, 39.2450



20.3934, 12.1203, 8.1031



8.7349, 8.6007, 10.1024



15.7001, 7.7976, 14.1128



0.5188, 0.2553, 0.5748

Inverse Universe

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



23.6041, 13.4046, 25.0103



40.1842, 20.7597, 39.2450



22.4771, 33.9893, 34.6548



8.7349, 8.6007, 10.1024



15.7001, 7.7976, 14.1128



0.5188, 0.2553, 0.5748

Previews

White Background



This preview shows how the XYZ color 23.6037, 13.4039, 25.0101 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

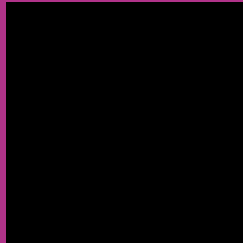
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6037, 13.4039, 25.0101

Background



This preview shows how black text looks on a background with the XYZ color 23.6037, 13.4039, 25.0101.



This preview shows how white text looks on a background with the XYZ color 23.6037, 13.4039,

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

23.6037, 13.4039, 25.0101

Protanopia

15.0887, 13.7815, 42.9391

Deuteranopia

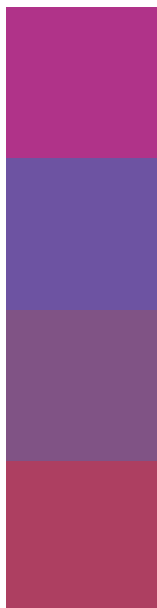
13.9385, 13.6284, 23.0150



Tritanopia

20.2208, 13.5327, 8.0249

Trichromacy



Original Color

23.6037, 13.4039, 25.0101

Protanomaly

15.9215, 12.0464, 35.6684

Deuteranomaly

16.2290, 12.4692, 23.7417

Tritanomaly

21.1688, 13.3023, 12.7611

Monochromacy



Original Color

23.6037, 13.4039, 25.0101

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

14.4712, 11.4903, 16.7844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6037, 13.4039, 25.0101 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(176, 51, 137)` looks like.

```
.text, #text, p{  
    color:rgb(176, 51, 137)  
}
```

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(176, 51, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 51, 137) }
```

Border

The CSS property to change the border of an element to XYZ 23.6037, 13.4039, 25.0101 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(176, 51, 137) }
```


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

```
.border{ border-color:rgb(176, 51, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 51, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 51, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 51, 137);  
box-shadow:4px 4px 4px 4px rgb(176, 51,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6037, 13.4039, 25.0101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 51, 137) }
```

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

```
.background{ background-color: rgb(176, 51,  
137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor