

Converting Colors

XYZ(23.7238, 13.4920, 26.2454)

Have a look what the booklet for
XYZ(23.7238, 13.4920, 26.2454)
contains.

XYZ(23.6408, 13.4634, 26.1636)	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(23.6408, 13.4634,
26.1636)**

Conversions

Conversions Part 1

Format	Color
Hex	AF348C
RGB	175, 52, 140
RGB Percent	69%, 20%, 55%
CMY	0.3137, 0.7961, 0.4510
CMYK	0.00, 0.70, 0.20, 0.31
HSL	317°, 54%, 45%
HSV	317°, 70%, 69%
XYZ	23.6408, 13.4634, 26.1636
YIQ	98.8090, 45.0600, 53.4440

Conversions

Conversions Part 2

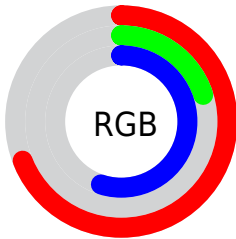
Format	Color
R _Y B	175, 52, 140
Decimal	11482252
CIE Lab	43.45, 58.18, -21.83
CIE LCh	43, 62.142, 339.430
Yxy	13.4634, 0.3737, 0.2128
Android (android.graphics.Color)	4289672332 (0xFFAF348C)
YUV	98.8090, 20.3072, 66.8195
Hunter-Lab	36.6925, 50.7948, -16.5920

Details

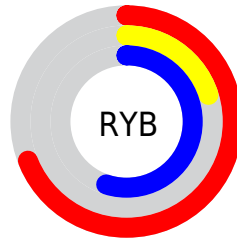
The XYZ color **23.6408, 13.4634, 26.1636** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **18.4672, 32.0786, 14.2368**, and the grayscale version is **11.7552, 12.3673, 13.4680**.

A 20% lighter version of the original color is **49.1379, 32.3247, 54.6884**, and **9.4532, 4.6601, 10.0741** is the 20% darker color. If you saturate the color by 10%, you get **22.6405, 12.0371, 24.0593**, and if you desaturate by 10%, it is **24.9481, 15.4766, 28.4525**.

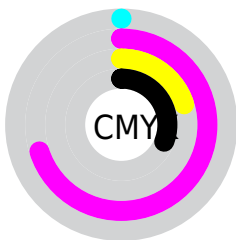
Distribution



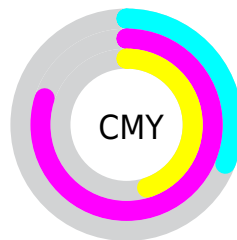
- Red (69%)
- Green (20%)
- Blue (55%)



- Red (69%)
- Yellow (20%)
- Blue (55%)



- Cyan (0%)
- Magenta (70%)
- Yellow (20%)
- Black (31%)





- Cyan (31%)
- Magenta (80%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6408, 13.4634, 26.1636 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 23.6408, 13.4634, 26.1636 by changing the saturation by 10% instead.


 23.6408, 13.4634,
26.1636


 23.6408, 13.4634,
26.1636


263.4737,
213.8666, 297.2153


 15.1907, 7.7484,
16.7192


 48.9024, 32.1338,
54.5261


 9.0405, 3.9344,
9.8747


 66.4445, 45.8581,
74.2812


 4.8249, 1.6369,
5.2114

 87.7480, 63.0208,
98.3104

 2.1786, 0.3823,
2.3109

 113.1783, 84.0065,
127.0321

 0.7314, 0.0000,
0.7373

 143.1006,
109.1996, 160.8649

 0.0000, 0.0000,
0.0000

 177.8804,

138.9843, 200.2274

217.8830,
173.7452, 245.5379

■ 23.6408, 13.4634,
26.1636

■ 23.6408, 13.4634,
26.1636

■ 22.6405, 12.0371,
24.0593

■ 24.9481, 15.4766,
28.4525

■ 21.9118, 11.1279,
22.1263

■ 26.5899, 18.1323,
30.9358

■ 21.3938, 10.5998,
20.3877

■ 28.5922, 21.4816,
33.6234

■ 30.9779, 25.5701,
36.5239

■ 33.7680, 30.4395,
39.6453

■ 36.9819, 36.1282,
42.9951

■ 40.6377, 42.6722,
46.5802

■ 44.7525, 50.1053,
50.4072

■ 49.3424, 58.4595,
54.4826

Harmonies

Analogous

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



19.6666, 13.4634, 46.4002



23.6408, 13.4634, 26.1636



24.3520, 13.4634, 10.7106

Triad

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



23.6408, 13.4634, 26.1636



11.3311, 13.4634, 0.9520



6.8688, 13.4634, 38.9496

Complementary

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



23.6408, 13.4634, 26.1636



18.4672, 32.0786, 14.2368

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.



5.6348, 13.4634, 19.4759



23.6408, 13.4634, 26.1636



7.7478, 13.4634, 2.2041

Square

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



23.6408, 13.4634, 26.1636



16.3539, 13.4634, 1.1853



5.9098, 13.4634, 7.1456



9.7965, 13.4634, 56.4685

Rectangle

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



23.6408, 13.4634, 26.1636



22.7375, 13.4634, 5.0740



5.9098, 13.4634, 7.1456



6.2805, 13.4634, 32.0493

Sweetspot

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



23.6412, 13.4641, 26.1639



59.9007, 53.5033, 70.3791



12.8832, 7.5710, 41.3400



13.0023, 11.3463, 15.3009



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.



23.6412, 13.4641, 26.1639



39.8170, 20.6090, 41.2626



20.3064, 12.1301, 8.6027



8.2384, 8.1086, 9.5663



15.3481, 7.6018, 14.7445



0.4489, 0.2202, 0.5256

Inverse Universe

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



23.6412, 13.4641, 26.1639



39.8170, 20.6090, 41.2626



22.1198, 33.5396, 33.4712



8.2384, 8.1086, 9.5663



15.3481, 7.6018, 14.7445



0.4489, 0.2202, 0.5256

Previews

White Background



This preview shows how the XYZ color 23.6408, 13.4634, 26.1636 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 23.6408, 13.4634, 26.1636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

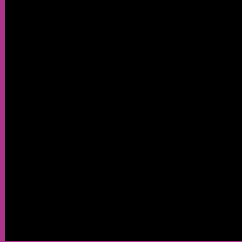
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6408, 13.4634, 26.1636

Background



This preview shows how black text looks on a background with the XYZ color 23.6408, 13.4634, 26.1636.



This preview shows how white text looks on a background with the XYZ color 23.6408, 13.4634,

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

23.6408, 13.4634, 26.1636

Protanopia

15.2446, 13.8272, 44.5133

Deuteranopia

14.0220, 13.7929, 24.1136



Tritanopia

19.9199, 13.4633, 8.3863

Trichromacy



Original Color

23.6408, 13.4634, 26.1636

Protanomaly

16.0691, 12.0913, 37.0842

Deuteranomaly

16.2184, 12.5538, 24.8609

Tritanomaly

20.8801, 13.2256, 13.2567

Monochromacy



Original Color

23.6408, 13.4634, 26.1636

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.8070, 11.7615, 17.4094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6408, 13.4634, 26.1636 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(175, 52, 140)` looks like.

```
.text, #text, p{  
    color:rgb(175, 52, 140)  
}
```

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(175, 52, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 52, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.6408, 13.4634, 26.1636 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(175, 52, 140) }
```


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

```
.border{ border-color:rgb(175, 52, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 52, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 52, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 52, 140);  
box-shadow:4px 4px 4px 4px rgb(175, 52,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6408, 13.4634, 26.1636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 52, 140) }
```

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

```
.background{ background-color: rgb(175, 52,  
140) }
```

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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