

Converting Colors

XYZ(25.4146, 14.2614, 38.1432)

Have a look what the booklet for
XYZ(25.4146, 14.2614, 38.1432)
contains.

XYZ(25.3075, 14.1990, 37.9660)	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(25.3075, 14.1990,
37.9660)**

Conversions

Conversions Part 1

Format	Color
Hex	AC36A7
RGB	172, 54, 167
RGB Percent	67%, 21%, 65%
CMY	0.3255, 0.7882, 0.3451
CMYK	0.00, 0.69, 0.03, 0.33
HSL	303°, 52%, 44%
HSV	303°, 69%, 67%
XYZ	25.3075, 14.1990, 37.9660
YIQ	102.1640, 34.0550, 60.1590

Conversions

Conversions Part 2

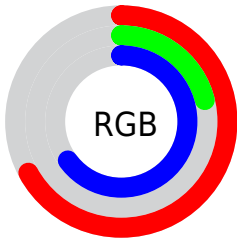
Format	Color
R_{YB}	172, 54, 167
Decimal	11286183
CIE _{Lab}	44.52, 60.82, -36.43
CIE _{LCh}	45, 70.894, 329.079
Yxy	14.1990, 0.3267, 0.1833
Android (android.graphics.Color)	4289476263 (0xFFAC36A7)
YUV	102.1640, 31.9641, 61.2462
Hunter-Lab	37.6816, 53.9405, -33.3605

Details

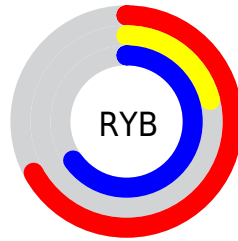
The XYZ color **25.3075, 14.1990, 37.9660** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.0640, 30.6058, 9.1467**, and the grayscale version is **12.5857, 13.2411, 14.4196**.

A 20% lighter version of the original color is **51.6368, 33.5196, 73.5604**, and **10.2397, 4.9279, 16.3311** is the 20% darker color. If you saturate the color by 10%, you get **24.5769, 12.8450, 37.3910**, and if you desaturate by 10%, it is **26.3225, 16.1205, 38.6379**.

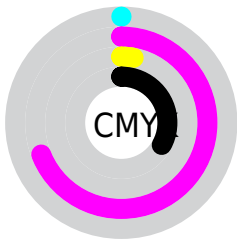
Distribution



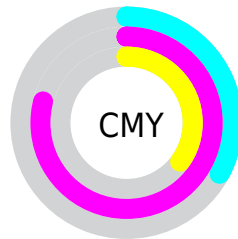
- Red (67%)
- Green (21%)
- Blue (65%)



- Red (67%)
- Yellow (21%)
- Blue (65%)



- Cyan (0%)
- Magenta (69%)
- Yellow (3%)
- Black (33%)





- Cyan (33%)
- Magenta (79%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3075, 14.1990, 37.9660 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 25.3075, 14.1990, 37.9660 by changing the saturation by 10% instead.


 25.3075, 14.1990,
37.9660


 25.3075, 14.1990,
37.9660


271.6853,
218.4653, 352.7679


 16.4363, 8.2592,
25.6547


 51.5949, 33.4417,
73.2589

 9.9262, 4.2613,
16.3420


 69.7419, 47.5134,
97.0775


 5.4119, 1.8208,
9.6095


 91.7114, 65.0645,
125.5690

 2.5281, 0.5001,
5.0386

 117.8688, 86.4795,
159.1518

 0.9095, 0.0000,
2.2108

 148.5796,
112.1426, 198.2446

 0.0000, 0.0000,
0.6806

184.2090,

 0.0000, 0.0000,

142.4384, 243.2658

0.0000

225.1225,
177.7512, 294.6341

■ 25.3075, 14.1990,
37.9660

■ 25.3075, 14.1990,
37.9660

■ 24.5769, 12.8450,
37.3910

■ 26.3225, 16.1205,
38.6379

■ 24.0978, 11.9937,
36.9016

■ 27.6473, 18.6613,
39.4148

■ 23.8142, 11.5328,
36.4792

■ 29.3061, 21.8694,
40.3050

■ 23.7788, 11.4769,
36.4217

■ 31.3202, 25.7877,
41.3154

■ 33.7094, 30.4555,
42.4528

■ 36.4918, 35.9091,
43.7232

■ 39.6845, 42.1826,
45.1322

■ 43.3034, 49.3081,
46.6851

■ 47.3638, 57.3157,
48.3872

Harmonies

Analogous

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



19.5811, 14.1990, 62.5936



25.3075, 14.1990, 37.9660



27.7587, 14.1990, 15.9726

Triad

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



25.3075, 14.1990, 37.9660



13.6734, 14.1990, 0.4103



5.9824, 14.1990, 36.3907

Complementary

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



25.3075, 14.1990, 37.9660



17.0640, 30.6058, 9.1467

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.



5.2125, 14.1990, 14.9591



25.3075, 14.1990, 37.9660



8.8231, 14.1990, 1.0361

Square

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



25.3075, 14.1990, 37.9660



19.9765, 14.1990, 1.1220



6.0858, 14.1990, 4.2625



8.5943, 14.1990, 61.3152

Rectangle

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



25.3075, 14.1990, 37.9660



26.7948, 14.1990, 7.2779



6.0858, 14.1990, 4.2625



5.5388, 14.1990, 28.2181

Sweetspot

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



25.3080, 14.1997, 37.9663



59.8802, 52.7603, 76.4183



10.5073, 6.5151, 39.7341



12.7594, 10.9698, 16.4870



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



25.3080, 14.1997, 37.9663



44.1092, 22.4445, 67.3814



21.0970, 12.5153, 15.7915



8.3222, 8.1421, 10.0075



17.7003, 8.5427, 27.1310



0.4968, 0.2394, 0.7779

Inverse Universe

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



25.3080, 14.1997, 37.9663



44.1092, 22.4445, 67.3814



19.4815, 31.5728, 21.8774



8.3222, 8.1421, 10.0075



17.7003, 8.5427, 27.1310



0.4968, 0.2394, 0.7779

Previews

White Background



This preview shows how the XYZ color 25.3075, 14.1990, 37.9660 looks on a white background.

Color Contrast Check

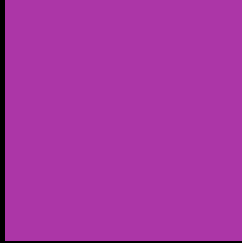
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3075, 14.1990, 37.9660 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 25.3075, 14.1990, 37.9660

Background



This preview shows how black text looks on a background with the XYZ color 25.3075, 14.1990, 37.9660.

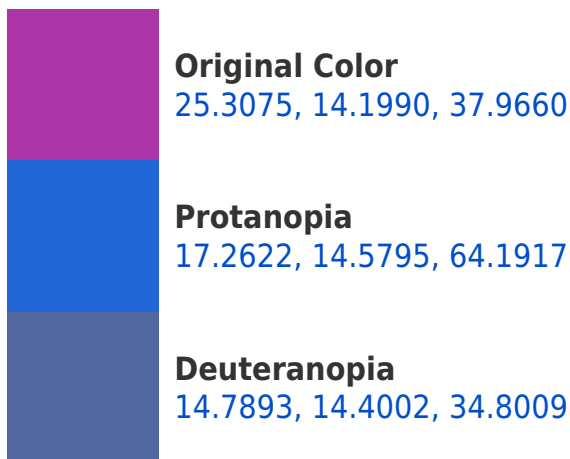


This preview shows how white text looks on a background with the XYZ color 25.3075, 14.1990,

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





Tritanopia

19.6526, 14.1957, 10.5083

Trichromacy



Original Color

25.3075, 14.1990, 37.9660



Protanomaly

16.8685, 12.3673, 53.7226



Deuteranomaly

16.9196, 12.9090, 35.7824



Tritanomaly

21.0736, 13.8513, 17.7825

Monochromacy



Original Color

25.3075, 14.1990, 37.9660



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

15.7668, 12.5154, 21.3234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3075, 14.1990, 37.9660 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(172, 54, 167)` looks like.

```
.text, #text, p{  
    color:rgb(172, 54, 167)  
}
```

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(172, 54, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 54, 167) }
```

Border

The CSS property to change the border of an element to XYZ 25.3075, 14.1990, 37.9660 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(172, 54, 167) }
```


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

```
.border{ border-color:rgb(172, 54, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 54, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 54, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 54, 167);  
box-shadow:4px 4px 4px 4px rgb(172, 54,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3075, 14.1990, 37.9660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 54, 167) }
```

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

```
.background{ background-color: rgb(172, 54,  
167) }
```

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