

Converting Colors

XYZ(25.0401, 16.0791, 31.7640)

Have a look what the booklet for
XYZ(25.0401, 16.0791, 31.7640)
contains.

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Color

**XYZ(25.1288, 16.1267,
31.9253)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4C99
RGB	171, 76, 153
RGB Percent	67%, 30%, 60%
CMY	0.3294, 0.7019, 0.4000
CMYK	0.00, 0.56, 0.11, 0.33
HSL	311°, 38%, 48%
HSV	311°, 56%, 67%
XYZ	25.1288, 16.1267, 31.9253
YIQ	113.1830, 31.9030, 44.0870

Conversions

Conversions Part 2

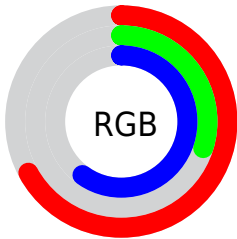
Format	Color
R_{YB}	171, 76, 153
Decimal	11226265
CIE _{Lab}	47.14, 48.75, -24.01
CIE _{LCh}	47, 54.342, 333.784
Yxy	16.1267, 0.3434, 0.2204
Android (android.graphics.Color)	4289416345 (0xFFAB4C99)
YUV	113.1830, 19.6298, 50.7055
Hunter-Lab	40.1581, 41.4193, -19.0244

Details

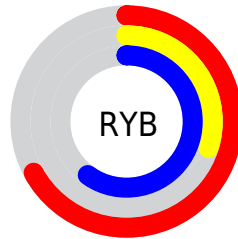
The XYZ color **25.1288, 16.1267, 31.9253** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.5645, 31.4711, 15.6342**, and the grayscale version is **15.6878, 16.5048, 17.9737**.

A 20% lighter version of the original color is **51.2303, 36.7486, 64.0676**, and **9.8336, 5.1381, 13.0438** is the 20% darker color. If you saturate the color by 10%, you get **23.8396, 13.9704, 30.1931**, and if you desaturate by 10%, it is **26.7395, 18.9136, 33.8008**.

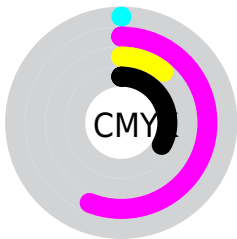
Distribution



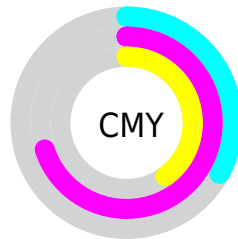
- Red (67%)
- Green (30%)
- Blue (60%)



- Red (67%)
- Yellow (30%)
- Blue (60%)



- Cyan (0%)
- Magenta (56%)
- Yellow (11%)
- Black (33%)





- Cyan (33%)
- Magenta (70%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1288, 16.1267, 31.9253 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 25.1288, 16.1267, 31.9253 by changing the saturation by 10% instead.


 25.1288, 16.1267,
31.9253


 25.1288, 16.1267,
31.9253


270.8146,
230.0882, 325.2611


 16.3023, 9.6139,
21.0401


 51.3075, 36.8180,
63.7905

 9.8305, 5.1437,
12.9618

 69.3904, 51.7653,
85.6076


 5.3481, 2.3318,
7.2718


 91.2894, 70.2928,
111.9057

 2.4898, 0.7905,
3.5517

 117.3700, 92.7850,
143.1035

 0.8901, 0.0000,
1.3828

 147.9974,
119.6262, 179.6193

 0.0000, 0.0000,
0.1282

183.5371,

 0.0000, 0.0000,

151.2009, 221.8719

0.0000

224.3544,
187.8934, 270.2796

■ 25.1288, 16.1267,
31.9253

■ 25.1288, 16.1267,
31.9253

■ 23.8396, 13.9704,
30.1931

■ 26.7395, 18.9136,
33.8008

■ 22.8447, 12.3917,
28.5945

■ 28.6927, 22.3741,
35.8265

■ 22.1153, 11.3324,
27.1196

■ 31.0095, 26.5500,
38.0097

■ 21.6139, 10.7177,
25.7558

■ 33.7089, 31.4792,
40.3572

■ 21.4257, 10.5104,
25.1721

■ 36.8084, 37.1968,
42.8751

■ 40.3247, 43.7357,
45.5690

■ 44.2733, 51.1270,
48.4446

■ 48.6689, 59.4001,
51.5068

■ 53.5256, 68.5831,
54.7608

Harmonies

Analogous

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



21.0214, 16.1267, 49.7360



25.1288, 16.1267, 31.9253



26.4362, 16.1267, 15.8804

Triad

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



25.1288, 16.1267, 31.9253



14.7299, 16.1267, 2.2201



8.8931, 16.1267, 36.6155

Complementary

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



25.1288, 16.1267, 31.9253



19.5645, 31.4711, 15.6342

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.



7.8704, 16.1267, 19.3524



25.1288, 16.1267, 31.9253



10.7682, 16.1267, 3.5174

Square

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



25.1288, 16.1267, 31.9253



19.7523, 16.1267, 2.9561



8.4782, 16.1267, 8.3163



11.6191, 16.1267, 53.2917

Rectangle

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



25.1288, 16.1267, 31.9253



25.3585, 16.1267, 8.9461



8.4782, 16.1267, 8.3163



8.3677, 16.1267, 30.4422

Sweetspot

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



25.1293, 16.1275, 31.9256



59.4746, 54.7343, 71.5206



14.4924, 10.4590, 39.7835



13.0475, 11.8114, 15.7650



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.



25.1293, 16.1275, 31.9256



42.1769, 24.1796, 53.2978



21.9856, 14.8700, 15.3708



8.2710, 8.1217, 9.7379



16.1699, 7.9305, 19.0720



0.4664, 0.2272, 0.6177

Inverse Universe

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



25.1293, 16.1275, 31.9256



42.1769, 24.1796, 53.2978



22.3456, 32.5835, 30.2791



8.2710, 8.1217, 9.7379



16.1699, 7.9305, 19.0720



0.4664, 0.2272, 0.6177

Previews

White Background



This preview shows how the XYZ color 25.1288, 16.1267, 31.9253 looks on a white background.

Color Contrast Check

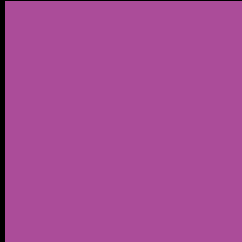
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1288, 16.1267, 31.9253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

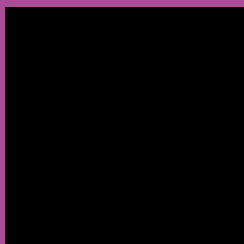
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.1288, 16.1267, 31.9253

Background



This preview shows how black text looks on a background with the XYZ color 25.1288, 16.1267, 31.9253.



This preview shows how white text looks on a background with the XYZ color 25.1288, 16.1267,

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

25.1288, 16.1267, 31.9253

Protanopia

17.6627, 16.4194, 45.9544

Deuteranopia

16.5513, 16.2015, 29.8586



Tritanopia

21.2845, 16.1562, 13.0630

Trichromacy



Original Color

25.1288, 16.1267, 31.9253

Protanomaly

18.9208, 15.3886, 40.5011

Deuteranomaly

18.6946, 15.4945, 30.4392

Tritanomaly

22.3957, 15.9968, 18.7369

Monochromacy



Original Color

25.1288, 16.1267, 31.9253

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

18.2850, 15.7412, 22.4967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1288, 16.1267, 31.9253 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(171, 76, 153)` looks like.

```
.text, #text, p{  
    color:rgb(171, 76, 153)  
}
```

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(171, 76, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 76, 153) }
```

Border

The CSS property to change the border of an element to XYZ 25.1288, 16.1267, 31.9253 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(171, 76, 153) }
```


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

```
.border{ border-color:rgb(171, 76, 153) }
```

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

Here you see how a box with a 4 pixel rgb(171, 76, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 76, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 76, 153);  
box-shadow:4px 4px 4px 4px rgb(171, 76,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1288, 16.1267, 31.9253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 76, 153) }
```

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

```
.background{ background-color: rgb(171, 76,  
153) }
```

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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