

Converting Colors

XYZ(24.6954, 13.4540, 20.6464)

Have a look what the booklet for
XYZ(24.6954, 13.4540, 20.6464)
contains.

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Color

**XYZ(24.7102, 13.4374,
20.6933)**

Conversions

Conversions Part 1

Format	Color
Hex	BA287D
RGB	186, 40, 125
RGB Percent	73%, 16%, 49%
CMY	0.2706, 0.8431, 0.5098
CMYK	0.00, 0.78, 0.33, 0.27
HSL	325°, 65%, 44%
HSV	325°, 78%, 73%
XYZ	24.7102, 13.4374, 20.6933
YIQ	93.3440, 59.7310, 57.3870

Conversions

Conversions Part 2

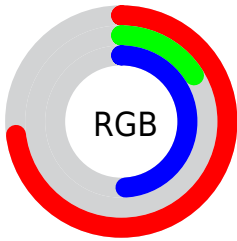
Format	Color
R_{YB}	186, 40, 125
Decimal	12200061
CIE _{Lab}	43.42, 63.02, -12.55
CIE _{LCh}	43, 64.254, 348.738
Yxy	13.4374, 0.4199, 0.2284
Android (android.graphics.Color)	4290390141 (0xFFBA287D)
YUV	93.3440, 15.6064, 81.2593
Hunter-Lab	36.6571, 56.1754, -7.8099

Details

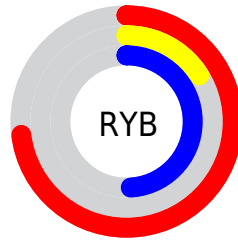
The XYZ color **24.7102, 13.4374, 20.6933** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **20.7840, 36.5090, 18.2663**, and the grayscale version is **10.4409, 10.9846, 11.9623**.

A 20% lighter version of the original color is **50.6956, 32.1145, 45.6463**, and **10.2066, 5.1110, 7.2861** is the 20% darker color. If you saturate the color by 10%, you get **23.7499, 12.2804, 18.0187**, and if you desaturate by 10%, it is **26.0117, 15.2144, 23.6735**.

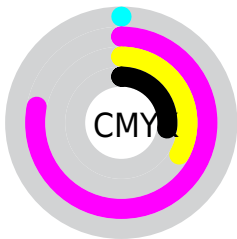
Distribution



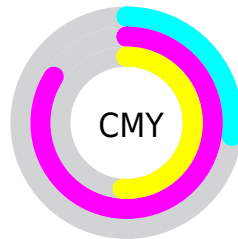
- Red (73%)
- Green (16%)
- Blue (49%)



- Red (73%)
- Yellow (16%)
- Blue (49%)



- Cyan (0%)
- Magenta (78%)
- Yellow (33%)
- Black (27%)





- Cyan (27%)
- Magenta (84%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7102, 13.4374, 20.6933 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 24.7102, 13.4374, 20.6933 by changing the saturation by 10% instead.


 24.7102, 13.4374,
20.6933

 24.7102, 13.4374,
20.6933


268.7660,
213.7022, 268.3713


 15.9889, 7.7304,
12.7109


 50.6330, 32.0874,
45.4507

 9.6071, 3.9229,
7.1014

 68.5651, 45.7992,
63.0628


 5.1995, 1.6306,
3.4462

 90.2982, 62.9481,
84.7219

 2.4007, 0.3781,
1.3267

 116.1977, 83.9184,
110.8465

 0.8455, 0.0000,
0.0836

 146.6288,
109.0946, 141.8553

 0.0000, 0.0000,
0.0000

 181.9570,

138.8610, 178.1666

222.5476,
173.6021, 220.1991

■ 24.7102, 13.4374,
20.6933

■ 24.7102, 13.4374,
20.6933

■ 23.7499, 12.2804,
18.0187

■ 26.0117, 15.2144,
23.6735

■ 23.0652, 11.6141,
15.6233

■ 27.6923, 17.6860,
26.9759

■ 22.9716, 11.5279,
15.2806

■ 29.7857, 20.9186,
30.6160

■ 32.3217, 24.9700,
34.6075

■ 35.3269, 29.8925,
38.9633

■ 38.8260, 35.7340,
43.6952

■ 42.8416, 42.5388,
48.8146

■ 47.3951, 50.3485,
54.3321

■ 52.5066, 59.2020,
60.2578

Harmonies

Analogous

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



21.4467, 13.4374, 41.3348



24.7102, 13.4374, 20.6933



24.2099, 13.4374, 7.4491

Triad

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



24.7102, 13.4374, 20.6933



9.9259, 13.4374, 0.9792



7.4231, 13.4374, 46.6182

Complementary

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



24.7102, 13.4374, 20.6933



20.7840, 36.5090, 18.2663

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, 13.4374, 25.3772



24.7102, 13.4374, 20.6933



6.8227, 13.4374, 2.9492

Square

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



24.7102, 13.4374, 20.6933



14.7427, 13.4374, 0.8275



5.4734, 13.4374, 9.8860



10.9849, 13.4374, 61.6488

Rectangle

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



24.7102, 13.4374, 20.6933



21.8335, 13.4374, 3.2802



5.4734, 13.4374, 9.8860



6.6451, 13.4374, 39.5061

Sweetspot

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



24.7106, 13.4381, 20.6935



66.5164, 58.3079, 74.0488



14.9710, 7.8210, 47.1750



14.1671, 12.0412, 15.6447



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.



24.7106, 13.4381, 20.6935



42.1426, 21.3600, 29.5474



21.6327, 12.2070, 4.4857



9.2179, 9.0975, 10.4949



15.4926, 7.7708, 10.4806



0.5763, 0.2860, 0.5281

Inverse Universe

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



24.7106, 13.4381, 20.6935



42.1426, 21.3600, 29.5474



26.0583, 38.6188, 46.0406



9.2179, 9.0975, 10.4949



15.4926, 7.7708, 10.4806



0.5763, 0.2860, 0.5281

Previews

White Background



This preview shows how the XYZ color 24.7102, 13.4374, 20.6933 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 24.7102, 13.4374, 20.6933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

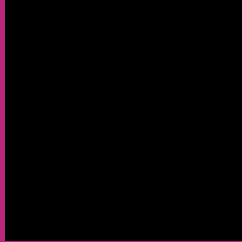
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.7102, 13.4374, 20.6933

Background



This preview shows how black text looks on a background with the XYZ color 24.7102, 13.4374, 20.6933.



This preview shows how white text looks on a background with the XYZ color 24.7102, 13.4374,

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

24.7102, 13.4374, 20.6933

Protanopia

14.8634, 13.7542, 38.9172

Deuteranopia

13.9280, 13.7175, 18.7433



Tritanopia

21.8045, 13.5357, 6.1661

Trichromacy



Original Color

24.7102, 13.4374, 20.6933

Protanomaly

15.7996, 11.6409, 31.1199

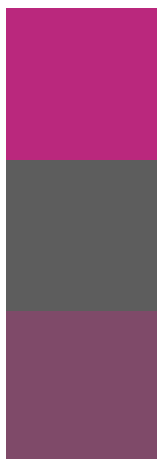
Deuteranomaly

16.3395, 12.1823, 19.2595

Tritanomaly

22.4813, 13.2854, 10.1835

Monochromacy



Original Color

24.7102, 13.4374, 20.6933

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

13.7510, 10.4295, 14.6529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7102, 13.4374, 20.6933 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(186, 40, 125)` looks like.

```
.text, #text, p{  
    color:rgb(186, 40, 125)  
}
```

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(186, 40, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 40, 125) }
```

Border

The CSS property to change the border of an element to XYZ 24.7102, 13.4374, 20.6933 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(186, 40, 125) }
```


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

```
.border{ border-color:rgb(186, 40, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 40, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 40, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 40, 125);  
box-shadow:4px 4px 4px 4px rgb(186, 40,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7102, 13.4374, 20.6933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 40, 125) }
```

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

```
.background{ background-color: rgb(186, 40,  
125) }
```

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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