

Converting Colors

XYZ(32.1797, 24.1716, 50.7212)

Have a look what the booklet for
XYZ(32.1797, 24.1716, 50.7212)
contains.

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Color

**XYZ(32.1049, 24.1034,
50.5373)**

Conversions

Conversions Part 1

Format	Color
Hex	AD70BC
RGB	173, 112, 188
RGB Percent	68%, 44%, 74%
CMY	0.3216, 0.5608, 0.2627
CMYK	0.08, 0.40, 0.00, 0.26
HSL	288°, 36%, 59%
HSV	288°, 40%, 74%
XYZ	32.1049, 24.1034, 50.5373
YIQ	138.9030, 11.9600, 36.5680

Conversions

Conversions Part 2

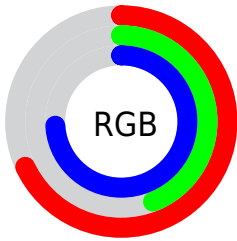
Format	Color
RYB	173, 112, 188
Decimal	11366588
CIELab	56.19, 37.05, -30.38
CIELCh	56, 47.912, 320.643
Yxy	24.1034, 0.3008, 0.2258
Android (android.graphics.Color)	4289556668 (0xFFAD70BC)
YUV	138.9030, 24.2048, 29.9031
Hunter-Lab	49.0952, 30.8101, -26.6649

Details

The XYZ color **32.1049, 24.1034, 50.5373** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.6609, 41.6489, 21.8060**, and the grayscale version is **24.4107, 25.6819, 27.9676**.

A 20% lighter version of the original color is **62.4174, 50.2649, 92.0003**, and **13.6334, 9.0884, 23.5899** is the 20% darker color. If you saturate the color by 10%, you get **29.4342, 19.9626, 49.8792**, and if you desaturate by 10%, it is **35.2331, 29.1241, 51.3419**.

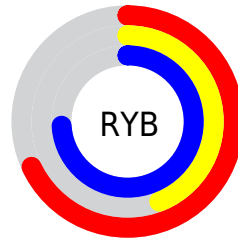
Distribution



Red (68%)

Green (44%)

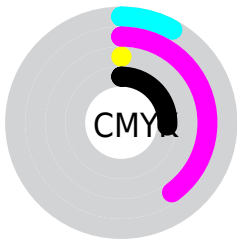
Blue (74%)



Red (68%)

Yellow (44%)

Blue (74%)

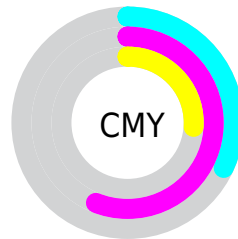


Cyan (8%)

Magenta (40%)

Yellow (0%)

Black (26%)



Cyan (32%)


Magenta (56%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1049, 24.1034, 50.5373 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 32.1049, 24.1034, 50.5373 by changing the saturation by 10% instead.

 32.1049, 24.1034,
50.5373


 32.1049, 24.1034,
50.5373


303.3336,
273.3428, 405.5585


 21.5976, 15.4103,
35.4663


 62.3396, 50.1989,
92.3749


 13.6764, 9.1079,
23.7359

 82.7977, 68.3701,
119.9787

 7.9762, 4.8116,
14.9274

 107.3033, 90.4695,
152.5972

 4.1314, 2.1372,
8.6224

 136.2220,
116.8814, 190.6488

 1.7767, 0.6854,
4.4023

169.9190,
147.9903, 234.5522

 0.5036, 0.0000,
1.8485

208.7597,

 0.0000, 0.0000,

184.1806, 284.7260

0.4597

253.1095,
225.8366, 341.5886

■ 0.0000, 0.0000,
0.0000

■ 32.1049, 24.1034,
50.5373

■ 32.1049, 24.1034,
50.5373

■ 29.4342, 19.9626,
49.8792

■ 35.2331, 29.1241,
51.3419

■ 27.1912, 16.6442,
49.3569

■ 38.8413, 35.0714,
52.2997

■ 25.3462, 14.0888,
48.9609

■ 42.9535, 41.9922,
53.4188

■ 23.8647, 12.2272,
48.6796

■ 47.5913, 49.9295,
54.7064

■ 22.7058, 10.9778,
48.4996

■ 52.7748, 58.9237,
56.1692

■ 21.8205, 10.2003,
48.3961

■ 58.5234, 69.0127,
57.8136

■ 64.8553, 80.2328,
59.6456

■ 69.3801, 87.8032,
60.8684

■ 70.4007, 88.3294,
60.9161

Harmonies

Analogous

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



26.8466, 24.1034, 66.0493



32.1049, 24.1034, 50.5373



35.0180, 24.1034, 31.4868

Triad

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



32.1049, 24.1034, 50.5373



24.6735, 24.1034, 6.2604



14.3649, 24.1034, 38.4449

Complementary

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



32.1049, 24.1034, 50.5373



29.6609, 41.6489, 21.8060

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.



13.9739, 24.1034, 21.6190



32.1049, 24.1034, 50.5373



19.3776, 24.1034, 6.8727

Square

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



32.1049, 24.1034, 50.5373



30.2970, 24.1034, 9.0933



15.6626, 24.1034, 11.3349



16.8326, 24.1034, 57.3455

Rectangle

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



32.1049, 24.1034, 50.5373



34.9632, 24.1034, 21.0355



15.6626, 24.1034, 11.3349



14.0036, 24.1034, 32.2494

Sweetspot

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



32.1057, 24.1044, 50.5378



76.4568, 73.7486, 96.4314



23.3753, 22.3071, 50.6510



16.2264, 15.4953, 20.6782



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.



32.1057, 24.1044, 50.5378



53.6225, 36.6011, 90.4647



33.3437, 25.0045, 38.7625



9.7405, 9.5986, 12.0115



14.9173, 6.9762, 32.9532



0.6322, 0.2980, 1.2930

Inverse Universe

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



30.3647, 23.8129, 23.0754



50.2875, 36.1600, 32.5632



29.0252, 41.1554, 29.2629



9.6051, 9.5663, 10.3094



14.3702, 7.3792, 1.9773



0.5862, 0.2984, 0.2001

Previews

White Background



This preview shows how the XYZ color 32.1049, 24.1034, 50.5373 looks on a white background.

Color Contrast Check

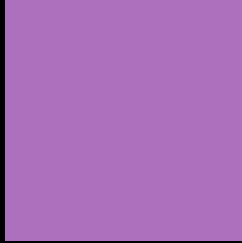
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.1049, 24.1034, 50.5373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

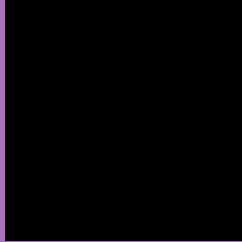
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1049, 24.1034, 50.5373

Background



This preview shows how black text looks on a background with the XYZ color 32.1049, 24.1034, 50.5373.



This preview shows how white text looks on a background with the XYZ color 32.1049, 24.1034,

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

32.1049, 24.1034, 50.5373

Protanopia

25.8374, 24.4978, 61.1244

Deuteranopia

24.7850, 24.2288, 48.7177



Tritanopia

26.9583, 24.1081, 25.4228

Trichromacy



Original Color

32.1049, 24.1034, 50.5373

Protanomaly

27.3153, 23.7773, 57.1826

Deuteranomaly

26.7380, 23.6590, 49.0563

Tritanomaly

28.6147, 24.0577, 33.2724

Monochromacy



Original Color

32.1049, 24.1034, 50.5373

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.6986, 24.7141, 35.2614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1049, 24.1034, 50.5373 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(173, 112, 188)` looks like.

```
.text, #text, p{  
    color:rgb(173, 112, 188)  
}
```

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(173, 112, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 112, 188) }
```

Border

The CSS property to change the border of an element to XYZ 32.1049, 24.1034, 50.5373 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(173, 112, 188) }
```


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

```
.border{ border-color:rgb(173, 112, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 112, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 112, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 112, 188);  
box-shadow:4px 4px 4px 4px rgb(173, 112,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1049, 24.1034, 50.5373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 112, 188) }
```

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

```
.background{ background-color: rgb(173,  
112, 188) }
```

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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