

Converting Colors

XYZ(51.4664, 32.7539, 70.0857)

Have a look what the booklet for
XYZ(51.4664, 32.7539, 70.0857)
contains.

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Color

**XYZ(51.4132, 32.6937,
69.9304)**

Conversions

Conversions Part 1

Format	Color
Hex	E96ADA
RGB	233, 106, 218
RGB Percent	91%, 42%, 85%
CMY	0.0863, 0.5843, 0.1451
CMYK	0.00, 0.55, 0.06, 0.09
HSL	307°, 74%, 66%
HSV	307°, 55%, 91%
XYZ	51.4132, 32.6937, 69.9304
YIQ	156.7410, 39.7400, 61.7560

Conversions

Conversions Part 2

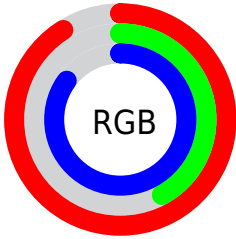
Format	Color
R _{YB}	233, 106, 218
Decimal	15297242
CIE _{Lab}	63.91, 62.95, -34.78
CIE _{LCh}	64, 71.914, 331.080
Yxy	32.6937, 0.3338, 0.2122
Android (android.graphics.Color)	4293487322 (0xFFE96ADA)
YUV	156.7410, 30.2007, 66.8791
Hunter-Lab	57.1784, 60.4399, -32.4880

Details

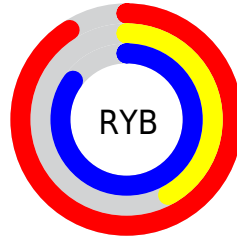
The XYZ color **51.4132, 32.6937, 69.9304** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.5355, 62.7237, 28.1673**, and the grayscale version is **31.7891, 33.4446, 36.4211**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **25.3470, 13.8722, 35.9920** is the 20% darker color. If you saturate the color by 10%, you get **48.9732, 28.3846, 67.3551**, and if you desaturate by 10%, it is **54.5136, 38.3125, 72.7559**.

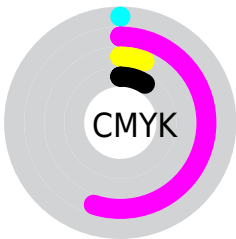
Distribution



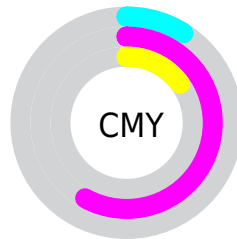
- Red (91%)
- Green (42%)
- Blue (85%)



- Red (91%)
- Yellow (42%)
- Blue (85%)



- Cyan (0%)
- Magenta (55%)
- Yellow (6%)
- Black (9%)





- Cyan (9%)
- Magenta (58%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4132, 32.6937, 69.9304 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 51.4132, 32.6937, 69.9304 by changing the saturation by 10% instead.


 51.4132, 32.6937,
69.9304


 51.4132, 32.6937,
69.9304


382.5283,
314.2673, 479.0881


 36.7599, 21.8919,
50.9933

 91.4446, 63.8970,
120.7897


 25.1945, 13.7775,
35.8266


 117.5535, 85.0673,
153.5490

 16.3515, 7.9661,
24.0117


 148.2116,
110.4626, 191.7528

 9.8657, 4.0732,
15.1300

 183.7843,
140.4673, 235.8196

 5.3716, 1.7146,
8.7630

224.6370,
175.4656, 286.1680

 2.5039, 0.4331,
4.4923

271.1350,

 0.8972, 0.0000,

215.8422, 343.2165

1.8991

323.6436,
261.9813, 407.3837

■ 0.0000, 0.0000,
0.4922

■ 0.0000, 0.0000,
0.0000

■ 51.4132, 32.6937,
69.9304

■ 51.4132, 32.6937,
69.9304

■ 48.9732, 28.3846,
67.3551

■ 54.5136, 38.3125,
72.7559

■ 47.1359, 25.2722,
65.0097


■ 58.3191, 45.3327,
75.8459


■ 45.8397, 23.2324,
62.8740


■ 62.8745, 53.8431,
79.2156


■ 45.0076, 22.1113,
60.9220


■ 68.2199, 63.9236,
82.8785


 44.6820, 21.7548,
59.9054

 74.3924, 75.6488,
86.8473

 81.4270, 89.0882,
91.1335

 84.6896, 94.9738,
94.1928

 85.0955, 95.1362,
96.3303

 85.5076, 95.3010,
98.5005

Harmonies

Analogous

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



42.2436, 32.6937, 107.8580



51.4132, 32.6937, 69.9304



54.8788, 32.6937, 34.5579

Triad

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



51.4132, 32.6937, 69.9304



30.7091, 32.6937, 3.8913



17.2081, 32.6937, 72.8227

Complementary

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



51.4132, 32.6937, 69.9304



38.5355, 62.7237, 28.1673

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.



15.3941, 32.6937, 36.6585



51.4132, 32.6937, 69.9304



22.0709, 32.6937, 6.0192

Square

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



51.4132, 32.6937, 69.9304



41.4689, 32.6937, 5.7037



16.9620, 32.6937, 14.8734



22.5804, 32.6937, 110.0721

Rectangle

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



51.4132, 32.6937, 69.9304



53.0027, 32.6937, 19.0779



16.9620, 32.6937, 14.8734



16.2218, 32.6937, 59.6451

Sweetspot

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



51.4143, 32.6952, 69.9311



82.6209, 76.3679, 100.9770



27.7231, 20.2448, 79.5381



17.3833, 15.7773, 21.4103



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.4143, 32.6952, 69.9311



59.8896, 34.4690, 82.4137



44.6495, 29.9893, 34.3083



15.6337, 15.2813, 18.6225



25.3836, 12.3561, 34.1511



2.0149, 0.9789, 2.7959

Inverse Universe

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



51.4143, 32.6952, 69.9311



59.8896, 34.4690, 82.4137



43.7692, 64.8172, 55.7275



15.6337, 15.2813, 18.6225



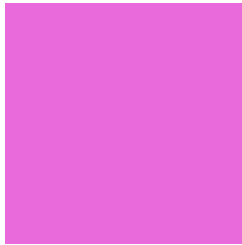
25.3836, 12.3561, 34.1511



2.0149, 0.9789, 2.7959

Previews

White Background



This preview shows how the XYZ color 51.4132, 32.6937, 69.9304 looks on a white background.

Color Contrast Check

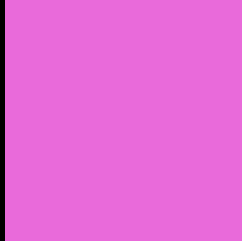
Large Text (above 18pt) WCAG AA × Fail

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 51.4132, 32.6937, 69.9304 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 ✓ Pass

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

XYZ 51.4132, 32.6937, 69.9304

Background



This preview shows how black text looks on a background with the XYZ color 51.4132, 32.6937, 69.9304.

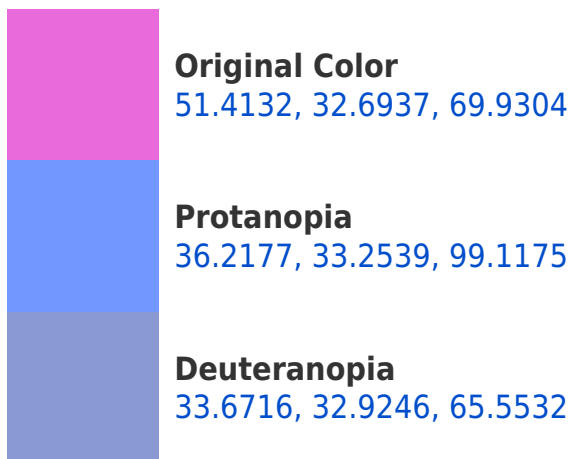


This preview shows how white text looks on a background with the XYZ color 51.4132, 32.6937,

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

42.6453, 32.5466, 27.3270

Trichromacy



Original Color

51.4132, 32.6937, 69.9304



Protanomaly

38.5956, 30.9068, 87.9358



Deuteranomaly

38.0480, 31.2967, 66.9863



Tritanomaly

45.1583, 32.2777, 39.9265

Monochromacy



Original Color

51.4132, 32.6937, 69.9304



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

37.2327, 31.7459, 46.8130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4132, 32.6937, 69.9304 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(233, 106, 218)` looks like.

```
.text, #text, p{  
    color:rgb(233, 106, 218)  
}
```

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(233, 106, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 106, 218) }
```

Border

The CSS property to change the border of an element to XYZ 51.4132, 32.6937, 69.9304 is called "border". The border property can be set on classes, ids or directly on the HTML element.

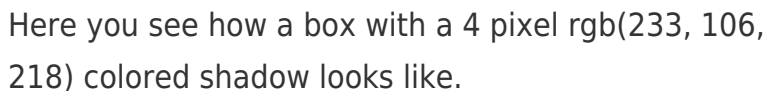
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 106, 218) }
```


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

```
.border{ border-color:rgb(233, 106, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(233, 106, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 106, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 106, 218); box-shadow:4px 4px 4px 4px rgb(233, 106, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4132, 32.6937, 69.9304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 106, 218) }
```

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

```
.background{ background-color: rgb(233,  
106, 218) }
```

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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