

Converting Colors

XYZ(51.4599, 32.8240, 76.4045)

Have a look what the booklet for
XYZ(51.4599, 32.8240, 76.4045)
contains.

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Color

**XYZ(51.5408, 32.9292,
76.3125)**

Conversions

Conversions Part 1

Format	Color
Hex	E56CE3
RGB	229, 108, 227
RGB Percent	90%, 42%, 89%
CMY	0.1020, 0.5764, 0.1098
CMYK	0.00, 0.53, 0.01, 0.10
HSL	301°, 70%, 66%
HSV	301°, 53%, 90%
XYZ	51.5408, 32.9292, 76.3125
YIQ	157.7450, 33.9170, 62.6610

Conversions

Conversions Part 2

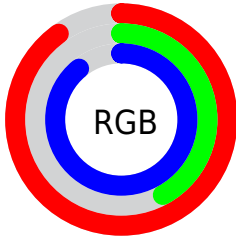
Format	Color
R _Y B	229, 108, 227
Decimal	15035619
CIE _{Lab}	64.10, 62.46, -39.54
CIE _{LCh}	64, 73.924, 327.660
Y _{xy}	32.9292, 0.3206, 0.2048
Android (android.graphics.Color)	4293225699 (0xFFE56CE3)
YUV	157.7450, 34.1427, 62.4906
Hunter-Lab	57.3840, 59.9021, -38.6785

Details

The XYZ color **51.5408, 32.9292, 76.3125** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.0196, 60.3539, 24.4521**, and the grayscale version is **32.2248, 33.9030, 36.9204**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **25.3291, 13.9659, 39.8888** is the 20% darker color. If you saturate the color by 10%, you get **49.3834, 28.6971, 75.3360**, and if you desaturate by 10%, it is **54.3348, 38.4326, 77.5023**.

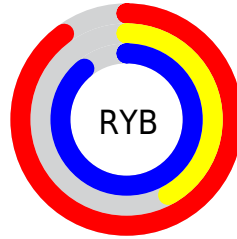
Distribution



Red (90%)

Green (42%)

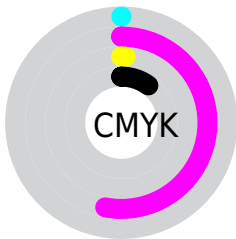
Blue (89%)



Red (90%)

Yellow (42%)

Blue (89%)

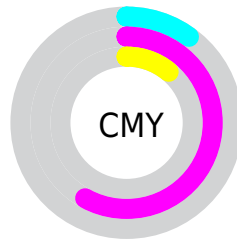


Cyan (0%)

Magenta (53%)

Yellow (1%)

Black (10%)



Cyan (10%)


Magenta (58%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5408, 32.9292, 76.3125 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 51.5408, 32.9292, 76.3125 by changing the saturation by 10% instead.


 51.5408, 32.9292,
76.3125

 51.5408, 32.9292,
76.3125


383.0144,
315.3306, 501.7921


 36.8620, 22.0722,
56.1806


 91.6319, 64.2650,
129.9327


 25.2738, 13.9100,
39.9428


 117.7749, 85.5126,
164.2580

 16.4110, 8.0581,
27.1805


 148.4700,
110.9925, 204.1516

 9.9081, 4.1321,
17.4752

 184.0825,
141.0891, 250.0320

 5.3999, 1.7477,
10.4083

224.9779,
176.1868, 302.3177

 2.5209, 0.4543,
5.5614

271.5214,

 0.9058, 0.0000,

216.6700, 361.4272

2.5158

324.0785,
262.9232, 427.7792

■ 0.0000, 0.0000,
0.8485

■ 0.0000, 0.0000,
0.0000

■ 51.5408, 32.9292,
76.3125

■ 51.5408, 32.9292,
76.3125

■ 49.3834, 28.6971,
75.3360

■ 54.3348, 38.4326,
77.5023

■ 47.8083, 25.6302,
74.5540


■ 57.8072, 45.2935,
78.9185


■ 46.7580, 23.6130,
73.9474


■ 62.0003, 53.5956,
80.5755


■ 46.1619, 22.5038,
73.4928


■ 66.9521, 63.4148,
82.4860


 45.9335, 22.1062,
73.2337

 72.6977, 74.8215,
84.6617

 79.2701, 87.8818,
87.1135

 82.3076, 93.8719,
88.3876

 82.3607, 93.8931,
88.6674

 82.4140, 93.9144,
88.9479

Harmonies

Analogous

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



41.5889, 32.9292, 114.8436



51.5408, 32.9292, 76.3125



55.9878, 32.9292, 38.2563

Triad

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



51.5408, 32.9292, 76.3125



32.1261, 32.9292, 3.6094



16.6558, 32.9292, 69.7730

Complementary

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



51.5408, 32.9292, 76.3125



37.0196, 60.3539, 24.4521

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.



15.2025, 32.9292, 33.5550



51.5408, 32.9292, 76.3125



22.8626, 32.9292, 5.2155

Square

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



51.5408, 32.9292, 76.3125



43.3307, 32.9292, 5.8929



17.2005, 32.9292, 13.0328



21.7290, 32.9292, 109.8119

Rectangle

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



51.5408, 32.9292, 76.3125



54.6275, 32.9292, 21.0707



17.2005, 32.9292, 13.0328



15.7848, 32.9292, 56.3104

Sweetspot

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



51.5420, 32.9307, 76.3132



83.2788, 76.6311, 104.4413



25.6913, 19.5721, 76.5535



17.5420, 15.8407, 22.2457



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.



51.5420, 32.9307, 76.3132



62.8991, 36.3779, 96.0875



44.7917, 30.2306, 40.7666



14.9843, 14.6109, 18.1177



26.2669, 12.6410, 41.8958



1.9443, 0.9355, 3.1134

Inverse Universe

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



51.5420, 32.9307, 76.3132



62.8991, 36.3779, 96.0875



41.3197, 62.0739, 47.0960



14.9843, 14.6109, 18.1177



26.2669, 12.6410, 41.8958



1.9443, 0.9355, 3.1134

Previews

White Background



This preview shows how the XYZ color 51.5408, 32.9292, 76.3125 looks on a white background.

Color Contrast Check

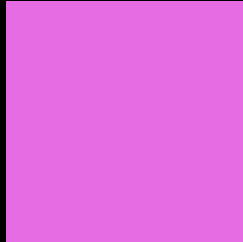
Large Text (above 18pt) WCAG AA × Fail

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 51.5408, 32.9292, 76.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

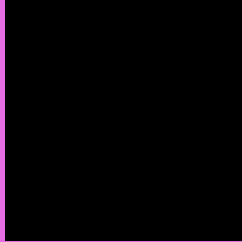
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5408, 32.9292, 76.3125

Background



This preview shows how black text looks on a background with the XYZ color 51.5408, 32.9292, 76.3125.



This preview shows how white text looks on a background with the XYZ color 51.5408, 32.9292,

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

51.5408, 32.9292, 76.3125

Protanopia

36.2177, 33.2539, 99.1175

Deuteranopia

34.0146, 33.2122, 71.6357



Tritanopia

41.6297, 32.7641, 28.9409

Trichromacy



Original Color

51.5408, 32.9292, 76.3125



Protanomaly

38.9959, 31.2688, 90.3664



Deuteranomaly

38.2789, 31.4901, 73.1679



Tritanomaly

44.5301, 32.4272, 42.9418

Monochromacy



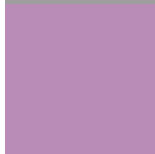
Original Color

51.5408, 32.9292, 76.3125



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

37.6925, 32.3654, 49.0603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5408, 32.9292, 76.3125 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(229, 108, 227)` looks like.

```
.text, #text, p{  
    color:rgb(229, 108, 227)  
}
```

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(229, 108, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 108, 227) }
```

Border

The CSS property to change the border of an element to XYZ 51.5408, 32.9292, 76.3125 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(229, 108, 227) }
```


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

```
.border{ border-color:rgb(229, 108, 227) }
```

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

Here you see how a box with a 4 pixel rgb(229, 108, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 108, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 108, 227);  
box-shadow:4px 4px 4px 4px rgb(229, 108,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5408, 32.9292, 76.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 108, 227) }
```

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

```
.background{ background-color: rgb(229,  
108, 227) }
```

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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