

Converting Colors

XYZ(49.9625, 32.8351, 76.7347)

Have a look what the booklet for
XYZ(49.9625, 32.8351, 76.7347)
contains.

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Color

**XYZ(49.8945, 32.8859,
76.3909)**

Conversions

Conversions Part 1

Format	Color
Hex	DE71E3
RGB	222, 113, 227
RGB Percent	87%, 44%, 89%
CMY	0.1294, 0.5568, 0.1098
CMYK	0.02, 0.50, 0.00, 0.11
HSL	297°, 67%, 67%
HSV	297°, 50%, 89%
XYZ	49.8945, 32.8859, 76.3909
YIQ	158.5870, 28.3700, 58.5620

Conversions

Conversions Part 2

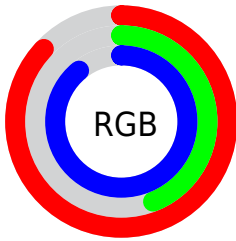
Format	Color
R _Y B	222, 113, 227
Decimal	14578147
CIE Lab	64.07, 58.22, -39.67
CIE LCh	64, 70.449, 325.733
Yxy	32.8859, 0.3135, 0.2066
Android (android.graphics.Color)	4292768227 (0xFFDE71E3)
YUV	158.5870, 33.7276, 55.6132
Hunter-Lab	57.3462, 54.9493, -38.8378

Details

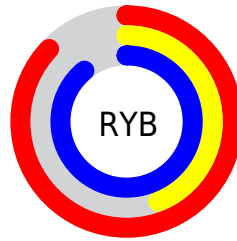
The XYZ color **49.8945, 32.8859, 76.3909** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.9219, 59.9827, 25.2034**, and the grayscale version is **32.6095, 34.3078, 37.3612**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **24.1736, 13.8589, 39.9290** is the 20% darker color. If you saturate the color by 10%, you get **47.3679, 28.2831, 75.6361**, and if you desaturate by 10%, it is **53.0585, 38.7590, 77.3582**.

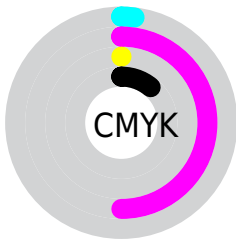
Distribution



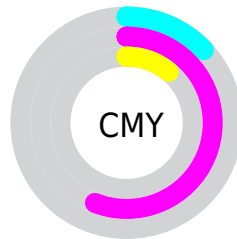
- Red (87%)
- Green (44%)
- Blue (89%)



- Red (87%)
- Yellow (44%)
- Blue (89%)



- Cyan (2%)
- Magenta (50%)
- Yellow (0%)
- Black (11%)





- Cyan (13%)
- Magenta (56%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8945, 32.8859, 76.3909 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 49.8945, 32.8859, 76.3909 by changing the saturation by 10% instead.


 49.8945, 32.8859,
76.3909


 49.8945, 32.8859,
76.3909

376.7120,
315.1353, 502.0672


 35.5470, 22.0391,
56.2445


 89.2113, 64.1973,
130.0445

 24.2530, 13.8856,
39.9937


 114.9113, 85.4307,
164.3887

 15.6472, 8.0411,
27.2199


 145.1263,
110.8951, 204.3027

 9.3641, 4.1213,
17.5045

180.2215,
140.9748, 250.2049

 5.0384, 1.7416,
10.4291

220.5623,
176.0543, 302.5140

 2.3048, 0.4504,
5.5751

266.5141,

 0.7971, 0.0000,

216.5180, 361.6483

2.5239

318.4422,
262.7501, 428.0265

■ 0.0000, 0.0000,
0.8528

■ 0.0000, 0.0000,
0.0000

■ 49.8945, 32.8859,
76.3909

■ 49.8945, 32.8859,
76.3909

■ 47.3679, 28.2831,
75.6361

■ 53.0585, 38.7590,
77.3582

■ 45.4270, 24.8501,
75.0758


■ 56.8995, 45.9844,
78.5504


■ 44.0181, 22.4781,
74.6922


■ 61.4581, 54.6423,
79.9813


■ 43.0755, 21.0363,
74.4636


■ 66.7707, 64.8054,
81.6630


 42.4943, 20.3049,
74.3530

 72.8711, 76.5415,
83.6068

 79.7912, 89.9143,
85.8232

 81.9287, 93.7191,
86.4450

 82.2472, 93.8833,
86.4599

 82.5675, 94.0484,
86.4749

Harmonies

Analogous

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



40.3262, 32.8859, 111.3696



49.8945, 32.8859, 76.3909



54.4945, 32.8859, 40.0424

Triad

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



49.8945, 32.8859, 76.3909



32.7029, 32.8859, 4.2410



16.9905, 32.8859, 65.2719

Complementary

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



49.8945, 32.8859, 76.3909



37.9219, 59.9827, 25.2034

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.



15.7908, 32.8859, 31.8816



49.8945, 32.8859, 76.3909



23.6611, 32.8859, 5.6475

Square

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



49.8945, 32.8859, 76.3909



43.3206, 32.8859, 6.9237



17.9568, 32.8859, 12.9608



21.6709, 32.8859, 102.9035

Rectangle

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



49.8945, 32.8859, 76.3909



53.5382, 32.8859, 22.9045



17.9568, 32.8859, 12.9608



16.2158, 32.8859, 52.8237

Sweetspot

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



49.8957, 32.8874, 76.3916



83.4241, 77.6602, 105.2007



27.2377, 22.1806, 75.5192



17.5465, 16.0303, 22.4193



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.



49.8957, 32.8874, 76.3916



61.6160, 36.7324, 98.4503



45.3915, 31.2652, 44.5626



14.9294, 14.5813, 18.1719



24.8095, 11.8557, 43.3639



1.8528, 0.8861, 3.2054

Inverse Universe

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



40.8547, 29.4505, 20.6720



48.7361, 31.8606, 17.9671



41.0082, 61.1409, 44.9056



14.4025, 14.3782, 15.0539



18.5179, 9.5414, 1.0904



1.3775, 0.7087, 0.1284

Previews

White Background



This preview shows how the XYZ color 49.8945, 32.8859, 76.3909 looks on a white background.

Color Contrast Check

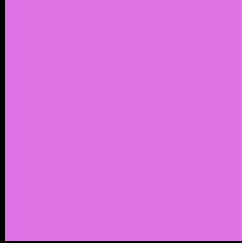
Large Text (above 18pt) WCAG AA × Fail

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 49.8945, 32.8859, 76.3909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

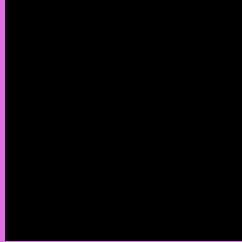
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8945, 32.8859, 76.3909

Background



This preview shows how black text looks on a background with the XYZ color 49.8945, 32.8859, 76.3909.

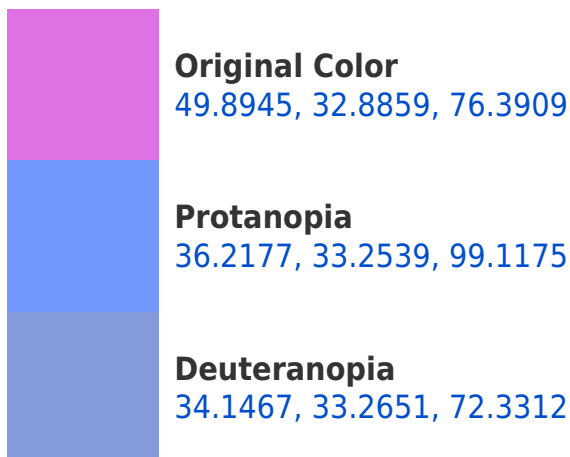


This preview shows how white text looks on a background with the XYZ color 49.8945, 32.8859,

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

40.2094, 32.6071, 30.1611

Trichromacy



Original Color

49.8945, 32.8859, 76.3909



Protanomaly

38.7068, 31.5418, 90.4343



Deuteranomaly

38.0690, 31.7923, 73.9421



Tritanomaly

43.1252, 32.4248, 44.0301

Monochromacy



Original Color

49.8945, 32.8859, 76.3909



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

37.6161, 32.7518, 49.6865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8945, 32.8859, 76.3909 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(222, 113, 227)` looks like.

```
.text, #text, p{  
    color:rgb(222, 113, 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(222, 113, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 113, 227) }
```

Border

The CSS property to change the border of an element to XYZ 49.8945, 32.8859, 76.3909 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(222, 113, 227) }
```


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

```
.border{ border-color:rgb(222, 113, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 113, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 113, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 113, 227);  
box-shadow:4px 4px 4px 4px rgb(222, 113,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8945, 32.8859, 76.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 113, 227) }
```

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

```
.background{ background-color: rgb(222,  
113, 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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