

Converting Colors

XYZ(49.5545, 35.3241, 61.3851)

Have a look what the booklet for
XYZ(49.5545, 35.3241, 61.3851)
contains.

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Color

**XYZ(49.7240, 35.4501,
61.3486)**

Conversions

Conversions Part 1

Format	Color
Hex	E27ECC
RGB	226, 126, 204
RGB Percent	89%, 49%, 80%
CMY	0.1137, 0.5059, 0.2000
CMYK	0.00, 0.44, 0.10, 0.11
HSL	313°, 63%, 69%
HSV	313°, 44%, 89%
XYZ	49.7240, 35.4501, 61.3486
YIQ	164.7920, 34.5620, 45.4580

Conversions

Conversions Part 2

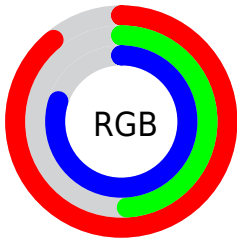
Format	Color
R _Y B	226, 126, 204
Decimal	14843596
CIE Lab	66.10, 49.01, -23.64
CIE LCh	66, 54.417, 334.251
Yxy	35.4501, 0.3394, 0.2419
Android (android.graphics.Color)	4293033676 (0xFFE27ECC)
YUV	164.7920, 19.3295, 53.6794
Hunter-Lab	59.5400, 44.8768, -19.4130

Details

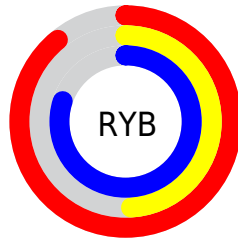
The XYZ color **49.7240, 35.4501, 61.3486** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.1474, 60.9677, 37.6186**, and the grayscale version is **35.5645, 37.4166, 40.7466**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **24.2498, 15.4021, 30.5490** is the 20% darker color. If you saturate the color by 10%, you get **46.5672, 30.0751, 57.4009**, and if you desaturate by 10%, it is **53.5548, 42.1414, 65.6156**.

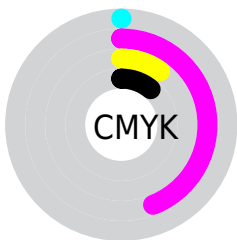
Distribution



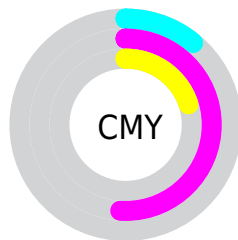
- Red (89%)
- Green (49%)
- Blue (80%)



- Red (89%)
- Yellow (49%)
- Blue (80%)



- Cyan (0%)
- Magenta (44%)
- Yellow (10%)
- Black (11%)





- Cyan (11%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7240, 35.4501, 61.3486 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 49.7240, 35.4501, 61.3486 by changing the saturation by 10% instead.


 49.7240, 35.4501,
61.3486


 49.7240, 35.4501,
61.3486


376.0555,
326.5506, 447.4929


 35.4110, 24.0098,
44.0742


 88.9601, 68.1825,
108.3460

 24.1477, 15.3409,
30.3912


 114.6139, 90.2433,
138.9060

 15.5685, 9.0590,
19.8811


 144.7788,
116.6131, 174.7316

 9.3083, 4.7797,
12.1255

179.8200,
147.6763, 216.2414

 5.0015, 2.1186,
6.7056

220.1029,
183.8173, 263.8539

 2.2829, 0.6750,
3.2030

265.9929,

 0.7859, 0.0000,

225.4204, 317.9876

1.1992

317.8553,
272.8700, 379.0611

■ 0.0000, 0.0000,
0.0000

■ 49.7240, 35.4501,
61.3486

■ 49.7240, 35.4501,
61.3486

■ 46.5672, 30.0751,
57.4009

■ 53.5548, 42.1414,
65.6156

■ 44.0363, 25.9225,
53.7546

■ 58.0968, 50.2248,
70.2141

■ 42.0822, 22.8935,
50.3928

■ 63.3883, 59.7763,
75.1581

■ 40.6468, 20.8723,
47.2952

■ 69.4640, 70.8648,
80.4600

■ 39.6591, 19.7172,
44.4372

■ 76.3563, 83.5550,
86.1313

■ 39.2284, 19.3145,
42.8792

■ 81.9519, 93.6199,
91.4686

■ 82.6759, 93.9095,
95.2808

■ 83.4200, 94.2072,
99.1995

■ 84.1845, 94.5130,
103.2254

Harmonies

Analogous

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



43.2221, 35.4501, 88.3285



49.7240, 35.4501, 61.3486



51.6946, 35.4501, 35.3921

Triad

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



49.7240, 35.4501, 61.3486



32.5550, 35.4501, 9.0492



22.4096, 35.4501, 69.4674

Complementary

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



49.7240, 35.4501, 61.3486



41.1474, 60.9677, 37.6186

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.



20.4484, 35.4501, 41.9943



49.7240, 35.4501, 61.3486



25.6809, 35.4501, 12.2563

Square

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



49.7240, 35.4501, 61.3486



40.9083, 35.4501, 10.7836



21.5430, 35.4501, 22.3096



27.3825, 35.4501, 94.1842

Rectangle

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



49.7240, 35.4501, 61.3486



49.9469, 35.4501, 23.0493



21.5430, 35.4501, 22.3096



21.4159, 35.4501, 59.9238

Sweetspot

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



49.7251, 35.4517, 61.3493



84.2192, 80.1820, 99.6063



33.3425, 26.6795, 75.3446



17.6711, 16.5171, 20.9995



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.



49.7251, 35.4517, 61.3493



61.5653, 40.1076, 75.9208



44.6868, 33.4364, 34.8181



14.1592, 13.8813, 16.6084



22.4257, 11.0373, 24.7053



1.5867, 0.7780, 1.8826

Inverse Universe

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



49.7251, 35.4517, 61.3493



61.5653, 40.1076, 75.9208



45.9566, 62.8913, 62.9432



14.1592, 13.8813, 16.6084



22.4257, 11.0373, 24.7053



1.5867, 0.7780, 1.8826

Previews

White Background



This preview shows how the XYZ color 49.7240, 35.4501, 61.3486 looks on a white background.

Color Contrast Check

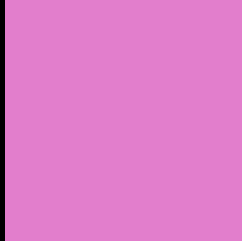
Large Text (above 18pt) WCAG AA × Fail

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 49.7240, 35.4501, 61.3486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

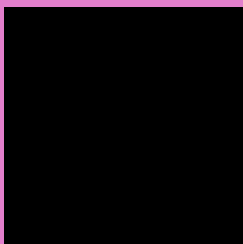
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7240, 35.4501, 61.3486

Background



This preview shows how black text looks on a background with the XYZ color 49.7240, 35.4501, 61.3486.



This preview shows how white text looks on a background with the XYZ color 49.7240, 35.4501,

61.3486.

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

49.7240, 35.4501, 61.3486

Protanopia

37.0492, 35.8867, 78.3729

Deuteranopia

36.5205, 35.8000, 58.4113



Tritanopia

43.9490, 35.5307, 32.5587

Trichromacy



Original Color

49.7240, 35.4501, 61.3486



Protanomaly

40.0145, 34.6398, 71.5950



Deuteranomaly

40.2327, 34.7952, 59.2392



Tritanomaly

45.7172, 35.4069, 41.4705

Monochromacy



Original Color

49.7240, 35.4501, 61.3486



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.6968, 35.9527, 47.4951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7240, 35.4501, 61.3486 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(226, 126, 204)` looks like.

```
.text, #text, p{  
    color:rgb(226, 126, 204)  
}
```

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(226, 126, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 126, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.7240, 35.4501, 61.3486 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(226, 126, 204) }
```


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

```
.border{ border-color:rgb(226, 126, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 126, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 126, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 126, 204);  
box-shadow:4px 4px 4px 4px rgb(226, 126,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7240, 35.4501, 61.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 126, 204) }
```

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

```
.background{ background-color: rgb(226,  
126, 204) }
```

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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