

Converting Colors

XYZ(50.0446, 35.7043, 51.2076)

Have a look what the booklet for
XYZ(50.0446, 35.7043, 51.2076)
contains.

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Color

**XYZ(49.9075, 35.5787,
51.2507)**

Conversions

Conversions Part 1

Format	Color
Hex	E97DBB
RGB	233, 125, 187
RGB Percent	91%, 49%, 73%
CMY	0.0863, 0.5098, 0.2667
CMYK	0.00, 0.46, 0.20, 0.09
HSL	326°, 71%, 70%
HSV	326°, 46%, 91%
XYZ	49.9075, 35.5787, 51.2507
YIQ	164.3600, 44.4660, 42.1780

Conversions

Conversions Part 2

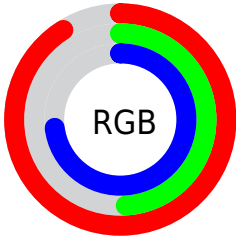
Format	Color
R _Y B	233, 125, 187
Decimal	15302075
CIE Lab	66.20, 49.08, -13.86
CIE LCh	66, 51.001, 344.234
Yxy	35.5787, 0.3650, 0.2602
Android (android.graphics.Color)	4293492155 (0xFFE97DBB)
YUV	164.3600, 11.1615, 60.1973
Hunter-Lab	59.6479, 44.9675, -9.1897

Details

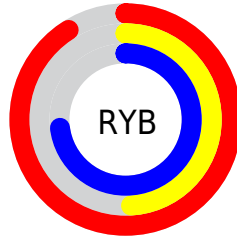
The XYZ color **49.9075, 35.5787, 51.2507** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **44.9487, 65.5791, 48.8200**, and the grayscale version is **35.3927, 37.2359, 40.5499**.

A 20% lighter version of the original color is **73.7389, 60.3736, 92.5608**, and **24.2996, 15.4699, 24.2595** is the 20% darker color. If you saturate the color by 10%, you get **46.2704, 29.9462, 44.9763**, and if you desaturate by 10%, it is **54.3119, 42.6275, 58.1439**.

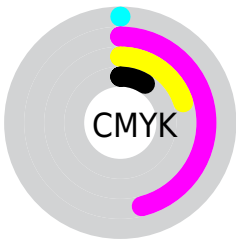
Distribution



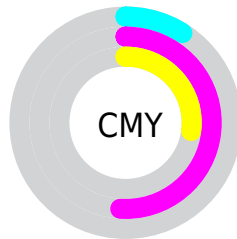
- Red (91%)
- Green (49%)
- Blue (73%)



- Red (91%)
- Yellow (49%)
- Blue (73%)



- Cyan (0%)
- Magenta (46%)
- Yellow (20%)
- Black (9%)





- Cyan (9%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9075, 35.5787, 51.2507 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 49.9075, 35.5787, 51.2507 by changing the saturation by 10% instead.


 49.9075, 35.5787,
51.2507

 49.9075, 35.5787,
51.2507


376.7621,
327.1154, 408.4114


 35.5574, 24.1090,
36.0301


 89.2305, 68.3813,
93.4405

 24.2611, 15.4145,
24.1675


 114.9340, 90.4830,
121.2468

 15.6532, 9.1108,
15.2446


 145.1528,
116.8975, 154.0854

 9.3684, 4.8135,
8.8427

180.2521,
148.0091, 192.3747

 5.0413, 2.1383,
4.5433

220.5973,
184.2023, 236.5335

 2.3065, 0.6860,
1.9279

266.5538,

 0.7980, 0.0000,

225.8615, 286.9801

0.5104

318.4870,
273.3711, 344.1333

■ 0.0000, 0.0000,
0.0000

■ 49.9075, 35.5787,
51.2507

■ 49.9075, 35.5787,
51.2507

■ 46.2704, 29.9462,
44.9763

■ 54.3119, 42.6275,
58.1439

■ 43.3469, 25.6260,
39.2945

■ 59.5263, 51.1768,
65.6761

■ 41.0809, 22.5083,
34.1794

■ 65.5936, 61.3100,
73.8688

■ 39.4060, 20.4624,
29.6011

■ 72.5530, 73.1031,
82.7418

■ 38.2393, 19.3254,
25.5241

■ 80.4410, 86.6270,
92.3137

■ 37.8904, 19.0381,
24.1425

■ 86.0833, 95.5313,
101.5328

■ 87.4144, 96.0637,
108.5427

Harmonies

Analogous

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



45.0609, 35.5787, 77.0968



49.9075, 35.5787, 51.2507



50.0387, 35.5787, 29.3388

Triad

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



49.9075, 35.5787, 51.2507



30.3514, 35.5787, 10.6965



24.3951, 35.5787, 75.8518

Complementary

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



49.9075, 35.5787, 51.2507



44.9487, 65.5791, 48.8200

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.



21.5445, 35.5787, 49.9593



49.9075, 35.5787, 51.2507



24.6180, 35.5787, 15.8353

Square

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



49.9075, 35.5787, 51.2507



37.9417, 35.5787, 10.8198



21.6194, 35.5787, 28.4500



30.0016, 35.5787, 94.5384

Rectangle

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



49.9075, 35.5787, 51.2507



47.3839, 35.5787, 19.6525



21.6194, 35.5787, 28.4500



23.1229, 35.5787, 67.3526

Sweetspot

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



49.9086, 35.5804, 51.2514



82.3474, 78.3587, 93.0621



38.6208, 29.0985, 80.6722



17.2490, 16.1369, 19.4287



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.



49.9086, 35.5804, 51.2514



56.8135, 36.7954, 55.2499



45.2423, 33.7139, 26.6792



15.4279, 15.1990, 17.5386



21.5630, 10.8279, 14.0323



1.7412, 0.8694, 1.3545

Inverse Universe

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



49.9086, 35.5804, 51.2514



56.8135, 36.7954, 55.2499



51.0521, 68.0204, 80.9602



15.4279, 15.1990, 17.5386



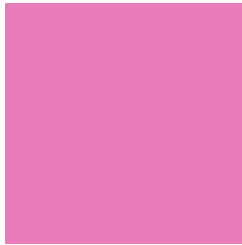
21.5630, 10.8279, 14.0323



1.7412, 0.8694, 1.3545

Previews

White Background



This preview shows how the XYZ color 49.9075, 35.5787, 51.2507 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 49.9075, 35.5787, 51.2507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

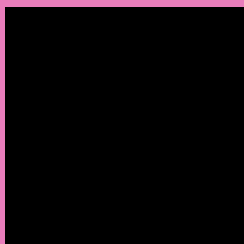
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9075, 35.5787, 51.2507

Background



This preview shows how black text looks on a background with the XYZ color 49.9075, 35.5787, 51.2507.



This preview shows how white text looks on a background with the XYZ color 49.9075, 35.5787,

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

49.9075, 35.5787, 51.2507

Protanopia

36.5414, 36.1407, 66.6779

Deuteranopia

36.6489, 35.8162, 49.2376



Tritanopia

45.8722, 35.7218, 30.8628

Trichromacy



Original Color

49.9075, 35.5787, 51.2507



Protanomaly

39.6848, 34.7154, 60.4862



Deuteranomaly

40.5154, 34.9180, 49.9518



Tritanomaly

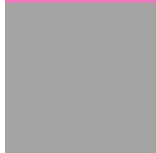
47.0946, 35.5937, 37.6458

Monochromacy



Original Color

49.9075, 35.5787, 51.2507



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

39.3390, 35.6101, 43.8298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9075, 35.5787, 51.2507 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, 125, 187)` looks like.

```
.text, #text, p{  
    color:rgb(233, 125, 187)  
}
```

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, 125, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 125, 187) }
```

Border

The CSS property to change the border of an element to XYZ 49.9075, 35.5787, 51.2507 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, 125, 187) }
```


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

```
.border{ border-color:rgb(233, 125, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 125, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 125, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 125, 187);  
box-shadow:4px 4px 4px 4px rgb(233, 125,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9075, 35.5787, 51.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 125, 187) }
```

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

```
.background{ background-color: rgb(233,  
125, 187) }
```

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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