

Converting Colors

XYZ(49.8577, 40.7494, 51.3632)

Have a look what the booklet for
XYZ(49.8577, 40.7494, 51.3632)
contains.

XYZ(49.6286, 40.5273, 51.1058)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.6286, 40.5273,
51.1058)**

Conversions

Conversions Part 1

Format	Color
Hex	DE95B9
RGB	222, 149, 185
RGB Percent	87%, 58%, 73%
CMY	0.1294, 0.4157, 0.2745
CMYK	0.00, 0.33, 0.17, 0.13
HSL	330°, 53%, 73%
HSV	330°, 33%, 87%
XYZ	49.6286, 40.5273, 51.1058
YIQ	174.9310, 31.9520, 26.6720

Conversions

Conversions Part 2

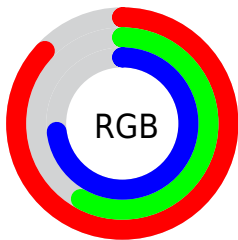
Format	Color
R _Y B	222, 149, 185
Decimal	14587321
CIE Lab	69.84, 32.61, -7.42
CIE LCh	70, 33.445, 347.176
Yxy	40.5273, 0.3513, 0.2869
Android (android.graphics.Color)	4292777401 (0xFFDE95B9)
YUV	174.9310, 4.9640, 41.2795
Hunter-Lab	63.6611, 27.7474, -3.0341

Details

The XYZ color **49.6286, 40.5273, 51.1058** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.3804, 62.1784, 55.9617**, and the grayscale version is **40.6765, 42.7948, 46.6036**.

A 20% lighter version of the original color is **78.7100, 70.7966, 92.7357**, and **24.1654, 18.3223, 24.0927** is the 20% darker color. If you saturate the color by 10%, you get **45.3041, 33.7044, 44.0337**, and if you desaturate by 10%, it is **54.7189, 48.7304, 58.8980**.

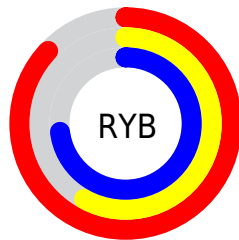
Distribution



Red (87%)

Green (58%)

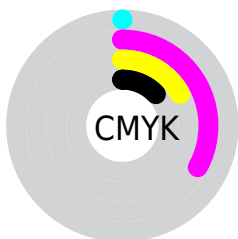
Blue (73%)



Red (87%)

Yellow (58%)

Blue (73%)

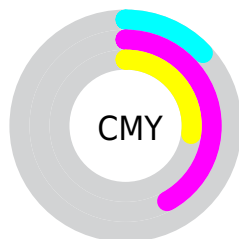


Cyan (0%)

Magenta (33%)

Yellow (17%)

Black (13%)



Cyan (13%)


Magenta (42%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6286, 40.5273, 51.1058 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 49.6286, 40.5273, 51.1058 by changing the saturation by 10% instead.


 49.6286, 40.5273,
51.1058

 49.6286, 40.5273,
51.1058


375.6878,
348.3411, 407.8330

 35.3350, 27.9499,
35.9155


 88.8195, 75.9658,
93.2242

 24.0887, 18.2879,
24.0798


 114.4474, 99.5957,
120.9895

 15.5246, 11.1569,
15.1801


144.5842,
127.6786, 153.7834

 9.2771, 6.1725,
8.7978

179.5951,
160.5988, 192.0247

 4.9809, 2.9502,
4.5145

219.8456,
198.7407, 236.1317

 2.2707, 1.1058,
1.9117

265.7010,

 0.7796, 0.0000,

242.4889, 286.5230

0.5001

317.5266,
292.2275, 343.6173

■ 0.0000, 0.0000,
0.0000

■ 49.6286, 40.5273,
51.1058

■ 49.6286, 40.5273,
51.1058

■ 45.3041, 33.7044,
44.0337

■ 54.7189, 48.7304,
58.8980

■ 41.7016, 28.1789,
37.6550

■ 60.6087, 58.3791,
67.4305

■ 38.7780, 23.8679,
31.9448

■ 67.3339, 69.5415,
76.7257

■ 36.4839, 20.6761,
26.8751

■ 74.9270, 82.2796,
86.8042

■ 34.7627, 18.4943,
22.4150

■ 81.8011, 93.4164,
97.1463

■ 33.5463, 17.1903,
18.5294

■ 83.5372, 94.1108,
106.2883

■ 32.9103, 16.6440,
16.0800

■ 83.9344, 94.2697,
108.3798

Harmonies

Analogous

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



46.7000, 40.5273, 67.7450



49.6286, 40.5273, 51.1058



49.3860, 40.5273, 35.8700

Triad

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



49.6286, 40.5273, 51.1058



35.5171, 40.5273, 21.2733



31.8471, 40.5273, 69.9049

Complementary

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



49.6286, 40.5273, 51.1058



47.3804, 62.1784, 55.9617

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.



29.3776, 40.5273, 53.5637



49.6286, 40.5273, 51.1058



31.3557, 40.5273, 26.7565

Square

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



49.6286, 40.5273, 51.1058



40.8853, 40.5273, 20.9139



29.2066, 40.5273, 37.8149



36.2477, 40.5273, 80.1941

Rectangle

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



49.6286, 40.5273, 51.1058



47.4564, 40.5273, 28.4072



29.2066, 40.5273, 37.8149



30.7824, 40.5273, 64.7839

Sweetspot

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



49.6298, 40.5292, 51.1066



85.4361, 83.9910, 95.7721



44.0624, 37.1476, 73.9555



18.0180, 17.5329, 20.1227



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.



49.6298, 40.5292, 51.1066



64.0232, 49.2742, 63.6355



46.2980, 39.1965, 33.5616



13.9876, 13.8127, 15.7048



19.6039, 9.9086, 9.8458



1.4040, 0.7049, 0.9203

Inverse Universe

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



49.6298, 40.5292, 51.1066



64.0232, 49.2742, 63.6355



51.7018, 63.9069, 78.7180



13.9876, 13.8127, 15.7048



19.6039, 9.9086, 9.8458



1.4040, 0.7049, 0.9203

Previews

White Background



This preview shows how the XYZ color 49.6286, 40.5273, 51.1058 looks on a white background.

Color Contrast Check

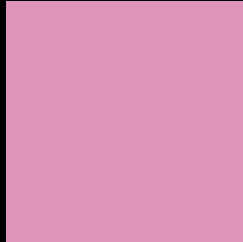
Large Text (above 18pt) WCAG AA × Fail

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 49.6286, 40.5273, 51.1058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

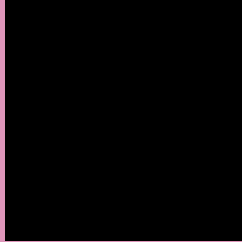
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6286, 40.5273, 51.1058

Background



This preview shows how black text looks on a background with the XYZ color 49.6286, 40.5273, 51.1058.



This preview shows how white text looks on a background with the XYZ color 49.6286, 40.5273,

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

49.6286, 40.5273, 51.1058

Protanopia

40.2937, 40.9337, 59.2034

Deuteranopia

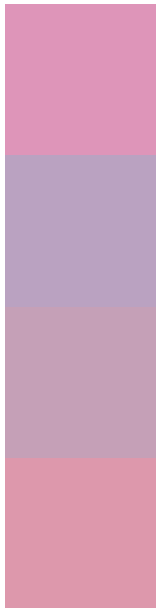
41.6082, 40.7171, 49.9222



Tritanopia

47.6073, 40.6784, 40.4645

Trichromacy



Original Color

49.6286, 40.5273, 51.1058

Protanomaly

42.7957, 40.1300, 55.9424

Deuteranomaly

44.1440, 40.4308, 50.2770

Tritanomaly

48.4934, 40.8072, 44.3504

Monochromacy



Original Color

49.6286, 40.5273, 51.1058

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.5111, 41.7336, 48.4099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6286, 40.5273, 51.1058 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, 149, 185)` looks like.

```
.text, #text, p{  
    color:rgb(222, 149, 185)  
}
```

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, 149, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 149, 185) }
```

Border

The CSS property to change the border of an element to XYZ 49.6286, 40.5273, 51.1058 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, 149, 185) }
```


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

```
.border{ border-color:rgb(222, 149, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 149, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 149, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 149, 185);  
box-shadow:4px 4px 4px 4px rgb(222, 149,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6286, 40.5273, 51.1058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 149, 185) }
```

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

```
.background{ background-color: rgb(222,  
149, 185) }
```

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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