

Converting Colors

XYZ(40.5541, 30.8349, 22.2334)

Have a look what the booklet for
XYZ(40.5541, 30.8349, 22.2334)
contains.

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Color

**XYZ(40.5966, 30.8538,
22.2281)**

Conversions

Conversions Part 1

Format	Color
Hex	DE7A7A
RGB	222, 122, 122
RGB Percent	87%, 48%, 48%
CMY	0.1294, 0.5215, 0.5216
CMYK	0.00, 0.45, 0.45, 0.13
HSL	0°, 60%, 67%
HSV	0°, 45%, 87%
XYZ	40.5966, 30.8538, 22.2281
YIQ	151.9000, 59.6000, 21.2000

Conversions

Conversions Part 2

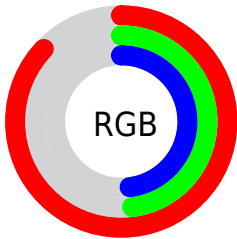
Format	Color
R _{YB}	222, 122, 122
Decimal	14580346
CIE Lab	62.38, 38.69, 17.38
CIE LCh	62, 42.411, 24.194
Yxy	30.8538, 0.4334, 0.3294
Android (android.graphics.Color)	4292770426 (0xFFDE7A7A)
YUV	151.9000, -14.7407, 61.4777
Hunter-Lab	55.5462, 33.2530, 15.1561

Details

The XYZ color **40.5966, 30.8538, 22.2281** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **47.3308, 61.6512, 78.5124**, and the grayscale version is **29.8463, 31.4006, 34.1953**.

A 20% lighter version of the original color is **64.4053, 55.3667, 47.3367**, and **18.4970, 12.6479, 7.7697** is the 20% darker color. If you saturate the color by 10%, you get **36.9535, 25.5233, 14.9850**, and if you desaturate by 10%, it is **45.1779, 37.5581, 31.3345**.

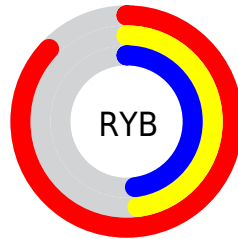
Distribution



Red (87%)

Green (48%)

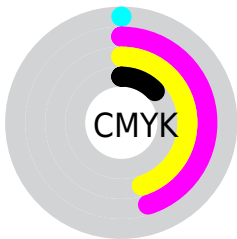
Blue (48%)



Red (87%)

Yellow (48%)

Blue (48%)

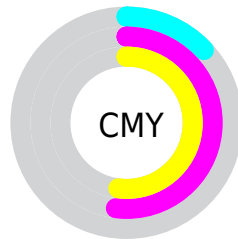


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (13%)



Cyan (13%)


Magenta (52%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5966, 30.8538, 22.2281 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 40.5966, 30.8538, 22.2281 by changing the saturation by 10% instead.


 40.5966, 30.8538,
22.2281


 40.5966, 30.8538,
22.2281

339.7232,
305.8642, 276.7274


 28.1903, 20.4875,
13.8247


 75.3497, 61.0098,
48.0297

 18.6103, 12.7499,
7.8615


 98.4272, 81.5684,
66.2650

 11.4914, 7.2566,
3.9199


 125.7925,
106.2932, 88.6147

 6.4681, 3.6231,
1.5815

157.8110,
135.5686, 115.4972

 3.1751, 1.4650,
0.2776

194.8479,
169.7790, 147.3313

 1.2470, 0.2639,
0.0000

237.2687,

 0.1430, 0.0000,

209.3088, 184.5353

0.0000

285.4387,
254.5424, 227.5278

■ 0.0000, 0.0000,
0.0000

■ 40.5966, 30.8538,
22.2281

■ 40.5966, 30.8538,
22.2281

■ 36.9535, 25.5233,
14.9850

■ 45.1779, 37.5581,
31.3345

■ 34.1817, 21.4673,
9.4750

■ 50.7537, 45.7170,
42.4188

■ 32.2091, 18.5808,
5.5539

■ 57.3785, 55.4109,
55.5886

■ 30.9512, 16.7400,
3.0535

■ 65.1021, 66.7128,
70.9429

■ 30.3044, 15.7934,
1.7678

■ 73.9713, 79.6909,
88.5747

■ 30.1243, 15.5298,
1.4098

■ 83.9341, 94.2696,
108.3798

Harmonies

Analogous

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



41.7417, 30.8538, 36.8966



40.5966, 30.8538, 22.2281



36.2727, 30.8538, 13.9186

Triad

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



40.5966, 30.8538, 22.2281



21.2501, 30.8538, 18.2802



28.2226, 30.8538, 75.9066

Complementary

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



40.5966, 30.8538, 22.2281



47.3308, 61.6512, 78.5124

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.



23.3275, 30.8538, 66.3270



40.5966, 30.8538, 22.2281



19.6537, 30.8538, 30.4956

Square

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



40.5966, 30.8538, 22.2281



25.0285, 30.8538, 12.2151



20.3615, 30.8538, 48.2952



34.0884, 30.8538, 71.4908

Rectangle

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



40.5966, 30.8538, 22.2281



32.4377, 30.8538, 11.4267



20.3615, 30.8538, 48.2952



26.4192, 30.8538, 74.1407

Sweetspot

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



40.5974, 30.8554, 22.2287



79.4761, 77.2110, 77.9395



50.2686, 34.7228, 73.1599



16.5556, 15.8598, 15.7767



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.



40.5974, 30.8554, 22.2287



50.8657, 35.3457, 21.0637



48.3897, 46.4400, 24.8261



13.7073, 13.7007, 14.2288



17.8933, 9.2245, 0.8374



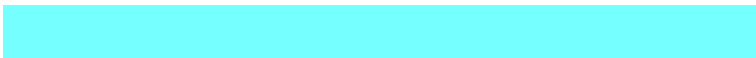
1.2403, 0.6394, 0.0581

Inverse Universe

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



47.3308, 61.6512, 78.5124



61.1842, 82.5381, 107.3144



35.9636, 38.9168, 74.7233



14.1166, 15.5723, 17.6494



23.3452, 34.1600, 46.4115



1.6182, 2.3678, 3.2170

Previews

White Background



This preview shows how the XYZ color 40.5966, 30.8538, 22.2281 looks on a white background.

Color Contrast Check

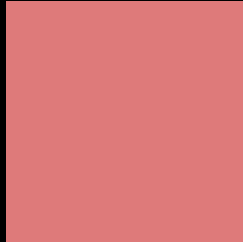
Large Text (above 18pt) WCAG AA × Fail

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 40.5966, 30.8538, 22.2281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

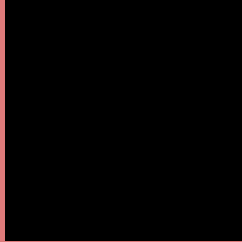
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5966, 30.8538, 22.2281

Background



This preview shows how black text looks on a background with the XYZ color 40.5966, 30.8538, 22.2281.



This preview shows how white text looks on a background with the XYZ color 40.5966, 30.8538,

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

40.5966, 30.8538, 22.2281

Protanopia

29.6111, 31.1799, 27.7502

Deuteranopia

31.5269, 30.9059, 21.4433



Tritanopia

41.2981, 30.9744, 24.9211

Trichromacy



Original Color

40.5966, 30.8538, 22.2281

Protanomaly

32.5309, 30.2186, 25.5909

Deuteranomaly

34.2678, 30.5607, 21.5455

Tritanomaly

41.0996, 30.8950, 23.8758

Monochromacy



Original Color

40.5966, 30.8538, 22.2281

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.4641, 30.3200, 29.3406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5966, 30.8538, 22.2281 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, 122, 122)` looks like.

```
.text, #text, p{  
    color:rgb(222, 122, 122)  
}
```

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, 122, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 122, 122) }
```

Border

The CSS property to change the border of an element to XYZ 40.5966, 30.8538, 22.2281 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, 122, 122) }
```


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

```
.border{ border-color:rgb(222, 122, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 122, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 122, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 122, 122);  
box-shadow:4px 4px 4px 4px rgb(222, 122,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5966, 30.8538, 22.2281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 122, 122) }
```

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

```
.background{ background-color: rgb(222,  
122, 122) }
```

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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