

# Converting Colors

XYZ(40.5629, 32.3050, 25.2343)

Have a look what the booklet for  
XYZ(40.5629, 32.3050, 25.2343)  
contains.

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# Color

**XYZ(40.6272, 32.3287,  
25.2179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D98282
RGB	217, 130, 130
RGB Percent	85%, 51%, 51%
CMY	0.1490, 0.4902, 0.4902
CMYK	0.00, 0.40, 0.40, 0.15
HSL	0°, 53%, 68%
HSV	0°, 40%, 85%
XYZ	40.6272, 32.3287, 25.2179
YIQ	156.0130, 51.8520, 18.4440

# Conversions

## Conversions Part 2

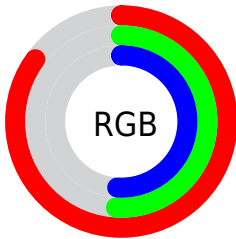
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">217, 130, 130</a>
Decimal	<a href="#">14254722</a>
CIELab	<a href="#">63.61, 33.48, 14.44</a>
CIELCh	<a href="#">64, 36.462, 23.333</a>
Yxy	<a href="#">32.3287, 0.4138, 0.3293</a>
Android (android.graphics.Color)	<a href="#">4292444802 (0xFFD98282)</a>
YUV	<a href="#">156.0130, -12.8244, 53.4856</a>
Hunter-Lab	<a href="#">56.8583, 28.0422, 13.5044</a>

# Details

The XYZ color **40.6272, 32.3287, 25.2179** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **46.5421, 59.3789, 74.6539**, and the grayscale version is **31.6458, 33.2938, 36.2570**.

A 20% lighter version of the original color is **66.9277, 58.9599, 52.6527**, and **18.5793, 13.5570, 9.4221** is the 20% darker color. If you saturate the color by 10%, you get **36.7331, 26.6309, 17.4757**, and if you desaturate by 10%, it is **45.4387, 39.3697, 34.7818**.

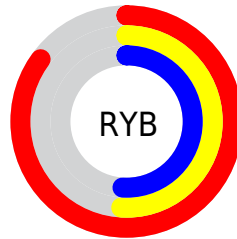
# Distribution



Red (85%)

Green (51%)

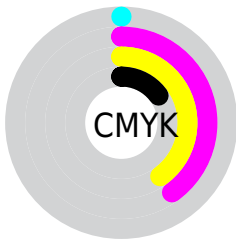
Blue (51%)



Red (85%)

Yellow (51%)

Blue (51%)

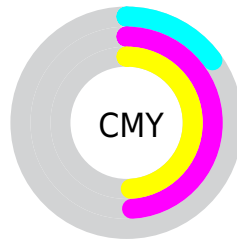


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (15%)



Cyan (15%)

Magenta (49%)

Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6272, 32.3287, 25.2179 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 40.6272, 32.3287, 25.2179 by changing the saturation by 10% instead.





 40.6272, 32.3287,  
25.2179


 40.6272, 32.3287,  
25.2179

339.8493,  
312.6139, 292.4037


 28.2143, 21.6127,  
16.0190


 75.3959, 63.3260,  
52.9790

 18.6285, 13.5726,  
9.3831


 98.4825, 84.3761,  
72.3783

 11.5046, 7.8240,  
4.8917


 125.8576,  
109.6397, 96.0147

 6.4771, 3.9825,  
2.1262

157.8866,  
139.5012, 124.3069

 3.1807, 1.6638,  
0.6313

194.9350,  
174.3450, 157.6733

 1.2500, 0.4001,  
0.0000

237.3680,

 0.1453, 0.0000,

214.5554, 196.5326

0.0000

285.5510,  
260.5169, 241.3032

■ 0.0000, 0.0000,  
0.0000

■ 40.6272, 32.3287,  
25.2179

■ 40.6272, 32.3287,  
25.2179

■ 36.7331, 26.6309,  
17.4757

■ 45.4387, 39.3697,  
34.7818

■ 33.6959, 22.1865,  
11.4381

■ 51.2181, 47.8265,  
46.2709

■ 31.4517, 18.9025,  
6.9769

■ 58.0151, 57.7725,  
59.7832

■ 29.9266, 16.6707,  
3.9454

■ 65.8754, 69.2744,  
75.4094

■ 29.0330, 15.3631,  
2.1692

■ 74.8419, 82.3948,  
93.2346

■ 28.6154, 14.7520,  
1.3392

■ 82.4253, 93.4917,  
108.3092

# Harmonies

## Analogous

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



41.5188, 32.3287, 38.5586



40.6272, 32.3287, 25.2179



36.9555, 32.3287, 17.1535

# Triad

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



40.6272, 32.3287, 25.2179



23.5215, 32.3287, 20.9659



29.6043, 32.3287, 71.0598

# Complementary

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



40.6272, 32.3287, 25.2179



46.5421, 59.3789, 74.6539

# 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.



25.2417, 32.3287, 62.8359



40.6272, 32.3287, 25.2179



21.9895, 32.3287, 32.0432

# Square

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



40.6272, 32.3287, 25.2179



27.0090, 32.3287, 15.2148



22.5827, 32.3287, 47.5209



34.7725, 32.3287, 67.7512



# Rectangle

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



40.6272, 32.3287, 25.2179



33.6232, 32.3287, 14.5859



22.5827, 32.3287, 47.5209



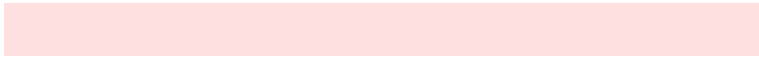
28.0030, 32.3287, 69.4921

# Sweetspot

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



40.6280, 32.3303, 25.2185



81.5126, 80.1911, 81.9880



49.1224, 35.7270, 69.9526



17.1609, 16.7454, 16.9798



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.



40.6280, 32.3303, 25.2185



53.7799, 39.6100, 26.8567



47.6843, 46.4429, 27.5706



13.0562, 13.0517, 13.5567



17.3223, 8.9301, 0.8107



1.1222, 0.5786, 0.0525



# Inverse Universe

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



46.5421, 59.3789, 74.6539



63.4176, 83.6896, 107.4190



36.7702, 39.8351, 71.3966



13.4449, 14.8295, 16.8059



22.6001, 33.0697, 44.9303

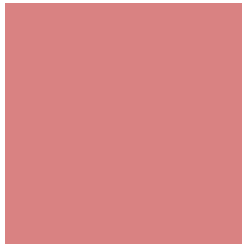


1.4642, 2.1425, 2.9108



# Previews

## White Background



This preview shows how the XYZ color 40.6272, 32.3287, 25.2179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

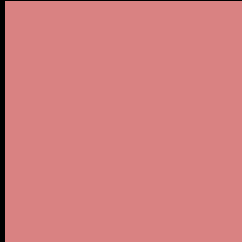
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.6272, 32.3287, 25.2179 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 40.6272, 32.3287, 25.2179**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.6272, 32.3287, 25.2179.



This preview shows how white text looks on a background with the XYZ color 40.6272, 32.3287,



# 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

40.6272, 32.3287, 25.2179

### Protanopia

30.9353, 32.5378, 30.2411

### Deuteranopia

33.0111, 32.2958, 24.5725



## Tritanopia

41.3511, 32.4409, 28.1270

# Trichromacy



## Original Color

40.6272, 32.3287, 25.2179

## Protanomaly

33.7689, 31.9095, 28.4241

## Deuteranomaly

35.4135, 31.9457, 24.7217

## Tritanomaly

41.1369, 32.3552, 26.9987

# Monochromacy



## Original Color

40.6272, 32.3287, 25.2179

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

34.0603, 32.4390, 32.0699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6272, 32.3287, 25.2179 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(217, 130, 130)` looks like.

```
.text, #text, p{  
    color:rgb(217, 130, 130)  
}
```

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(217, 130, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 130, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6272, 32.3287, 25.2179 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(217, 130, 130) }
```



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

```
.border{ border-color:rgb(217, 130, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 130, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 130, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 130, 130);  
box-shadow:4px 4px 4px 4px rgb(217, 130,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6272, 32.3287, 25.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 130, 130) }
```

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

```
.background{ background-color: rgb(217,  
130, 130) }
```

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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