

Converting Colors

XYZ(42.4092, 32.1924, 38.6307)

Have a look what the booklet for
XYZ(42.4092, 32.1924, 38.6307)
contains.

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Color

**XYZ(42.3906, 32.1650,
38.6246)**

Conversions

Conversions Part 1

Format	Color
Hex	D87EA3
RGB	216, 126, 163
RGB Percent	85%, 49%, 64%
CMY	0.1529, 0.5059, 0.3608
CMYK	0.00, 0.42, 0.25, 0.15
HSL	335°, 54%, 67%
HSV	335°, 42%, 85%
XYZ	42.3906, 32.1650, 38.6246
YIQ	157.1280, 41.7630, 30.5870

Conversions

Conversions Part 2

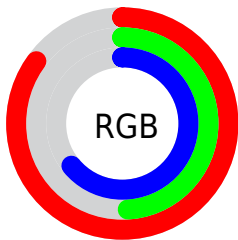
Format	Color
R _Y B	216, 126, 163
Decimal	14188195
CIE Lab	63.48, 39.43, -4.55
CIE LCh	63, 39.694, 353.424
Yxy	32.1650, 0.3745, 0.2842
Android (android.graphics.Color)	4292378275 (0xFFD87EA3)
YUV	157.1280, 2.8949, 51.6307
Hunter-Lab	56.7142, 34.1686, -0.6789

Details

The XYZ color **42.3906, 32.1650, 38.6246** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **41.2982, 56.8028, 51.4380**, and the grayscale version is **32.0805, 33.7512, 36.7551**.

A 20% lighter version of the original color is **70.2161, 58.9645, 74.0102**, and **19.6161, 13.4162, 16.5946** is the 20% darker color. If you saturate the color by 10%, you get **38.8379, 26.7925, 32.0971**, and if you desaturate by 10%, it is **46.6561, 38.7789, 45.9560**.

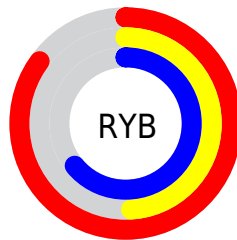
Distribution



Red (85%)

Green (49%)

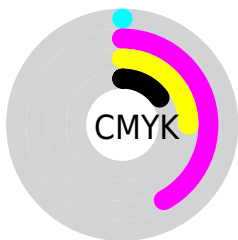
Blue (64%)



Red (85%)

Yellow (49%)

Blue (64%)

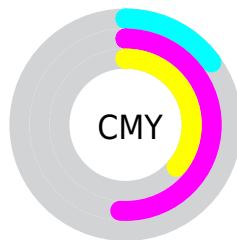


Cyan (0%)

Magenta (42%)

Yellow (25%)

Black (15%)



Cyan (15%)


Magenta (51%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3906, 32.1650, 38.6246 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 42.3906, 32.1650, 38.6246 by changing the saturation by 10% instead.


 42.3906, 32.1650,
38.6246


 42.3906, 32.1650,
38.6246

347.0637,
311.8702, 355.6700


 29.5997, 21.4876,
26.1622

 78.0519, 63.0697,
74.2785

 19.6815, 13.4809,
16.7182

 101.6530, 84.0657,
98.3071

 12.2707, 7.7605,
9.8739


 129.5883,
109.2700, 127.0282

 7.0018, 3.9421,
5.2109

162.2230,
139.0671, 160.8603

 3.5096, 1.6412,
2.3107

199.9225,
173.8412, 200.2220

 1.4286, 0.3851,
0.7372

243.0523,

 0.2765, 0.0000,

213.9768, 245.5319

0.0000

291.9775,
259.8584, 297.2083

■ 0.0000, 0.0000,
0.0000

■ 42.3906, 32.1650,
38.6246

■ 42.3906, 32.1650,
38.6246

■ 38.8379, 26.7925,
32.0971

■ 46.6561, 38.7789,
45.9560

■ 35.9530, 22.5780,
26.3410

■ 51.6701, 46.7015,
54.1182

■ 33.6901, 19.4350,
21.3238


■ 57.4693, 56.0007,
63.1391


■ 31.9958, 17.2626,
17.0094


■ 64.0868, 66.7382,
73.0444


■ 30.8066, 15.9402,
13.3574

■ 71.5540, 78.9722,
83.8588

 30.1135, 15.3168,
10.7751

 79.7070, 92.3702,
95.5414

 81.6569, 93.1501,
105.8092

 82.1290, 93.3390,
108.2953

Harmonies

Analogous

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



39.9247, 32.1650, 56.4684



42.3906, 32.1650, 38.6246



41.3964, 32.1650, 24.2633

Triad

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



42.3906, 32.1650, 38.6246



26.5390, 32.1650, 13.8609



24.6666, 32.1650, 65.5896

Complementary

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



42.3906, 32.1650, 38.6246



41.2982, 56.8028, 51.4380

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.



21.8208, 32.1650, 48.5675



42.3906, 32.1650, 38.6246



22.8073, 32.1650, 19.8369

Square

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



42.3906, 32.1650, 38.6246



31.8051, 32.1650, 12.6537



21.1835, 32.1650, 31.6511



29.3709, 32.1650, 74.7914

Rectangle

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



42.3906, 32.1650, 38.6246



38.9578, 32.1650, 17.9909



21.1835, 32.1650, 31.6511



23.4850, 32.1650, 60.3847

Sweetspot

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



42.3915, 32.1665, 38.6252



83.2863, 80.8998, 91.3303



38.3319, 29.4056, 68.6215



17.5755, 16.9111, 19.1637



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.



42.3915, 32.1665, 38.6252



57.1235, 39.8600, 47.8165



40.5421, 33.0193, 23.9772



12.6328, 12.5046, 14.0065



17.8748, 9.0862, 6.6447



1.1187, 0.5643, 0.6145

Inverse Universe

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



42.3915, 32.1665, 38.6252



57.1235, 39.8600, 47.8165



43.6779, 54.7503, 73.2317



12.6328, 12.5046, 14.0065



17.8748, 9.0862, 6.6447



1.1187, 0.5643, 0.6145

Previews

White Background



This preview shows how the XYZ color 42.3906, 32.1650, 38.6246 looks on a white background.

Color Contrast Check

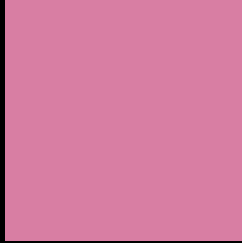
Large Text (above 18pt) WCAG AA × Fail

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 42.3906, 32.1650, 38.6246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

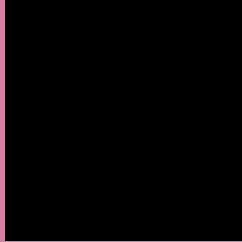
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3906, 32.1650, 38.6246

Background



This preview shows how black text looks on a background with the XYZ color 42.3906, 32.1650, 38.6246.



This preview shows how white text looks on a background with the XYZ color 42.3906, 32.1650,

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

42.3906, 32.1650, 38.6246

Protanopia

32.0239, 32.4673, 47.7590

Deuteranopia

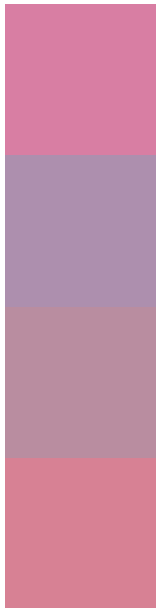
32.9418, 32.2136, 37.2825



Tritanopia

40.4478, 32.1549, 28.8856

Trichromacy



Original Color

42.3906, 32.1650, 38.6246

Protanomaly

34.6960, 31.5852, 44.3123

Deuteranomaly

35.8776, 31.9021, 37.5245

Tritanomaly

41.2199, 32.2857, 32.0762

Monochromacy



Original Color

42.3906, 32.1650, 38.6246

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.8970, 32.5259, 37.2398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3906, 32.1650, 38.6246 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(216, 126, 163)` looks like.

```
.text, #text, p{  
    color:rgb(216, 126, 163)  
}
```

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(216, 126, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 126, 163) }
```

Border

The CSS property to change the border of an element to XYZ 42.3906, 32.1650, 38.6246 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(216, 126, 163) }
```


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

```
.border{ border-color:rgb(216, 126, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 126, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 126, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 126, 163);  
box-shadow:4px 4px 4px 4px rgb(216, 126,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3906, 32.1650, 38.6246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 126, 163) }
```

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

```
.background{ background-color: rgb(216,  
126, 163) }
```

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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