

Converting Colors

XYZ(42.6625, 32.3157, 39.9250)

Have a look what the booklet for
XYZ(42.6625, 32.3157, 39.9250)
contains.

XYZ(42.6627, 32.2738, 40.0573)	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(42.6627, 32.2738,
40.0573)**

Conversions

Conversions Part 1

Format	Color
Hex	D87EA6
RGB	216, 126, 166
RGB Percent	85%, 49%, 65%
CMY	0.1529, 0.5059, 0.3490
CMYK	0.00, 0.42, 0.23, 0.15
HSL	333°, 54%, 67%
HSV	333°, 42%, 85%
XYZ	42.6627, 32.2738, 40.0573
YIQ	157.4700, 40.8000, 31.5200

Conversions

Conversions Part 2

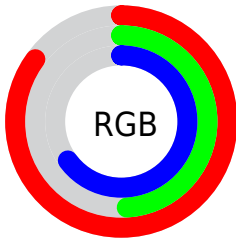
Format	Color
R _Y B	216, 126, 166
Decimal	14188198
CIE Lab	63.57, 39.86, -6.12
CIE LCh	64, 40.330, 351.270
Yxy	32.2738, 0.3710, 0.2807
Android (android.graphics.Color)	4292378278 (0xFFD87EA6)
YUV	157.4700, 4.2053, 51.3308
Hunter-Lab	56.8100, 34.6308, -2.0389

Details

The XYZ color **42.6627, 32.2738, 40.0573** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.9980, 56.6828, 49.8571**, and the grayscale version is **32.2292, 33.9076, 36.9254**.

A 20% lighter version of the original color is **70.6124, 59.1230, 76.0968**, and **19.7841, 13.4834, 17.4794** is the 20% darker color. If you saturate the color by 10%, you get **39.1430, 26.9146, 33.7039**, and if you desaturate by 10%, it is **46.8832, 38.8697, 47.1518**.

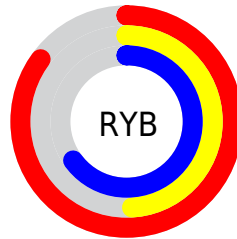
Distribution



Red (85%)

Green (49%)

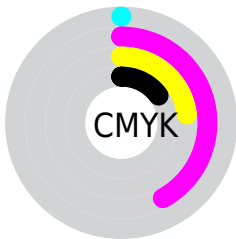
Blue (65%)



Red (85%)

Yellow (49%)

Blue (65%)

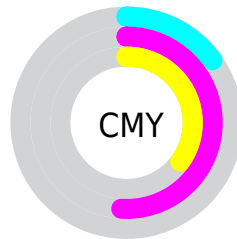


Cyan (0%)

Magenta (42%)

Yellow (23%)

Black (15%)



Cyan (15%)


Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6627, 32.2738, 40.0573 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 42.6627, 32.2738, 40.0573 by changing the saturation by 10% instead.


 42.6627, 32.2738,
40.0573


 42.6627, 32.2738,
40.0573


348.1679,
312.3646, 361.9243


 29.8139, 21.5707,
27.2691


 78.4605, 63.2401,
76.4888

 19.8448, 13.5418,
17.5412


 102.1402, 84.2721,
100.9692

 12.3899, 7.8027,
10.4551


 130.1610,
109.5158, 130.1840

 7.0839, 3.9690,
5.5922

162.8882,
139.3557, 164.5519

 3.5614, 1.6562,
2.5340

200.6871,
174.1761, 204.4913

 1.4571, 0.3951,
0.8581

243.9231,

 0.2964, 0.0000,

214.3615, 250.4208

0.0000

292.9616,
260.2962, 302.7590

■ 0.0000, 0.0000,
0.0000

■ 42.6627, 32.2738,
40.0573

■ 42.6627, 32.2738,
40.0573

■ 39.1430, 26.9146,
33.7039

■ 46.8832, 38.8697,
47.1518

■ 36.2799, 22.7088,
28.0621

■ 51.8398, 46.7693,
55.0115

■ 34.0280, 19.5701,
23.1027


■ 57.5685, 56.0403,
63.6615

■ 32.3345, 17.3981,
18.7930


■ 64.1021, 66.7443,
73.1250


■ 31.1368, 16.0724,
15.0962

■ 71.4715, 78.9392,
83.4242

 30.4301, 15.4434,
12.4420

 79.5123, 92.2923,
94.5159

 81.3352, 93.0215,
104.1149

 82.1291, 93.3390,
108.2953

Harmonies

Analogous

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



39.9152, 32.2738, 58.3154



42.6627, 32.2738, 40.0573



41.9049, 32.2738, 25.0542

Triad

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



42.6627, 32.2738, 40.0573



26.9147, 32.2738, 13.4495



24.3908, 32.2738, 65.2860

Complementary

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



42.6627, 32.2738, 40.0573



40.9980, 56.6828, 49.8571

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.



21.6557, 32.2738, 47.6252



42.6627, 32.2738, 40.0573



22.9841, 32.2738, 19.0985

Square

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



42.6627, 32.2738, 40.0573



32.3471, 32.2738, 12.5468



21.1742, 32.2738, 30.6438



29.0620, 32.2738, 75.5366

Rectangle

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



42.6627, 32.2738, 40.0573



39.5487, 32.2738, 18.4059



21.1742, 32.2738, 30.6438



23.2395, 32.2738, 59.8036

Sweetspot

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



42.6636, 32.2753, 40.0579



83.4358, 80.9596, 92.1175



37.6486, 29.0533, 68.5896



17.6106, 16.9251, 19.3485



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.



42.6636, 32.2753, 40.0579



57.5630, 40.0358, 50.1309



40.1353, 32.2055, 23.8415



12.6503, 12.5116, 14.0987



18.0640, 9.1619, 7.6408



1.1308, 0.5691, 0.6783

Inverse Universe

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



42.6636, 32.2753, 40.0579



57.5630, 40.0358, 50.1309



44.4186, 56.2317, 73.4788



12.6503, 12.5116, 14.0987



18.0640, 9.1619, 7.6408



1.1308, 0.5691, 0.6783

Previews

White Background



This preview shows how the XYZ color 42.6627, 32.2738, 40.0573 looks on a white background.

Color Contrast Check

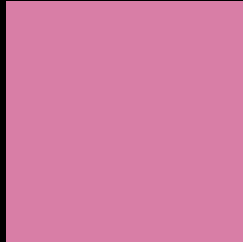
Large Text (above 18pt) WCAG AA × Fail

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 42.6627, 32.2738, 40.0573 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 42.6627, 32.2738, 40.0573

Background



This preview shows how black text looks on a background with the XYZ color 42.6627, 32.2738, 40.0573.



This preview shows how white text looks on a background with the XYZ color 42.6627, 32.2738,

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

42.6627, 32.2738, 40.0573

Protanopia

32.1512, 32.4973, 49.3778

Deuteranopia

33.1538, 32.5283, 38.7136



Tritanopia

40.2905, 32.2722, 28.9166

Trichromacy



Original Color

42.6627, 32.2738, 40.0573

Protanomaly

34.9919, 31.7035, 45.8701

Deuteranomaly

35.9029, 31.8844, 38.9124

Tritanomaly

41.0066, 32.1666, 32.4813

Monochromacy



Original Color

42.6627, 32.2738, 40.0573

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.9841, 32.5608, 37.6987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6627, 32.2738, 40.0573 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(216, 126, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 126, 166) }
```

Border

The CSS property to change the border of an element to XYZ 42.6627, 32.2738, 40.0573 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, 166) }
```


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

```
.border{ border-color:rgb(216, 126, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 126, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 126, 166);  
box-shadow:4px 4px 4px 4px rgb(216, 126,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6627, 32.2738, 40.0573 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, 166) }
```

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

```
.background{ background-color: rgb(216,  
126, 166) }
```

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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