

Converting Colors

XYZ(50.2762, 42.2467, 76.7387)

Have a look what the booklet for
XYZ(50.2762, 42.2467, 76.7387)
contains.

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Color

**XYZ(50.2762, 42.2467,
76.7387)**

Conversions

Conversions Part 1

Format	Color
Hex	CB9DE1
RGB	203, 157, 225
RGB Percent	80%, 62%, 88%
CMY	0.2039, 0.3843, 0.1176
CMYK	0.10, 0.30, 0.00, 0.12
HSL	281°, 53%, 75%
HSV	281°, 30%, 88%
XYZ	50.2762, 42.2467, 76.7387
YIQ	178.5060, 5.5880, 30.9000

Conversions

Conversions Part 2

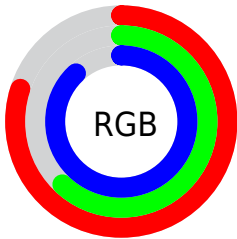
Format	Color
RYB	203, 157, 225
Decimal	13344225
CIELab	71.04, 29.19, -27.91
CIELCh	71, 40.392, 316.284
Yxy	42.2467, 0.2970, 0.2496
Android (android.graphics.Color)	4291534305 (0xFFFCB9DE1)
YUV	178.5060, 22.9215, 21.4812
Hunter-Lab	64.9975, 24.3260, -24.5020

Details

The XYZ color **50.2762, 42.2467, 76.7387** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.6027, 65.8694, 41.8945**, and the grayscale version is **42.4663, 44.6779, 48.6542**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **24.5200, 19.3013, 40.4634** is the 20% darker color. If you saturate the color by 10%, you get **44.8785, 34.3248, 75.4948**, and if you desaturate by 10%, it is **56.4707, 51.6220, 78.2225**.

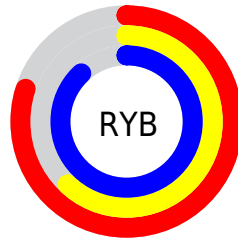
Distribution



Red (80%)

Green (62%)

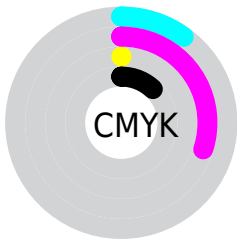
Blue (88%)



Red (80%)

Yellow (62%)

Blue (88%)

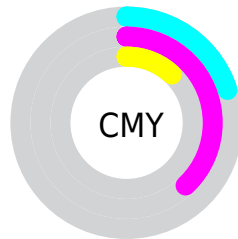


Cyan (10%)

Magenta (30%)

Yellow (0%)

Black (12%)



Cyan (20%)


Magenta (38%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2762, 42.2467, 76.7387 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 50.2762, 42.2467, 76.7387 by changing the saturation by 10% instead.


 50.2762, 42.2467,
76.7387


 50.2762, 42.2467,
76.7387


378.1792,
355.5046, 503.2866

 35.8516, 29.2945,
56.5282

 89.7733, 78.5729,
130.5402

 24.4892, 19.3037,
40.2197


 115.5766,
102.7156, 164.9682

 15.8236, 11.8899,
27.3948


145.9035,
131.3574, 204.9725

 9.4895, 6.6688,
17.6349

181.1193,
164.8825, 250.9716

 5.1214, 3.2558,
10.5215

221.5894,
203.6754, 303.3840

 2.3542, 1.2667,
5.6359

267.6792,

 0.8222, 0.1152,

248.1204, 362.6283

2.5598

319.7540,
298.6020, 429.1230

■ 0.0000, 0.0000,
0.8716

■ 0.0000, 0.0000,
0.0000

■ 50.2762, 42.2467,
76.7387

■ 50.2762, 42.2467,
76.7387

■ 44.8785, 34.3248,
75.4948

■ 56.4707, 51.6220,
78.2225

■ 40.2337, 27.7733,
74.4750

■ 63.4946, 62.5173,
79.9553

■ 36.2997, 22.5088,
73.6662

■ 71.3838, 75.0011,
81.9491

■ 33.0279, 18.4365,
73.0526

■ 80.1705, 89.1365,
84.2144

■ 30.3633, 15.4479,
72.6162

■ 85.0822, 95.3766,
85.1600

■ 28.2404, 13.4145,
72.3356

■ 87.5952, 96.6721,
85.2776

■ 26.5783, 12.1316,
72.1756

■ 90.2084, 98.0192,
85.3999

■ 90.5907, 98.2163,
85.4178

Harmonies

Analogous

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



43.9016, 42.2467, 91.6561



50.2762, 42.2467, 76.7387



54.1171, 42.2467, 55.3805

Triad

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



50.2762, 42.2467, 76.7387



43.3085, 42.2467, 18.5288



28.9476, 42.2467, 57.2197

Complementary

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



50.2762, 42.2467, 76.7387



51.6027, 65.8694, 41.8945

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.



28.8268, 42.2467, 37.7426



50.2762, 42.2467, 76.7387



36.6264, 42.2467, 18.7648

Square

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



50.2762, 42.2467, 76.7387



49.8004, 42.2467, 24.0377



31.4910, 42.2467, 24.8093



31.8418, 42.2467, 78.4059

Rectangle

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



50.2762, 42.2467, 76.7387



54.4741, 42.2467, 42.0527



31.4910, 42.2467, 24.8093



28.5934, 42.2467, 50.1857

Sweetspot

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



50.2776, 42.2485, 76.7396



85.4816, 84.8402, 106.4782



43.7509, 45.1142, 77.6368



17.9847, 17.6701, 22.7127



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.



50.2776, 42.2485, 76.7396



62.3277, 49.5413, 100.8851



55.2045, 44.9612, 69.1651



13.8414, 13.7018, 17.3029



15.4427, 7.0563, 41.5964



1.1629, 0.5368, 2.8876

Inverse Universe

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



51.2463, 43.3779, 48.3213



63.9872, 51.3713, 56.9367



47.9302, 63.8592, 47.0105



13.8891, 13.7733, 15.1862



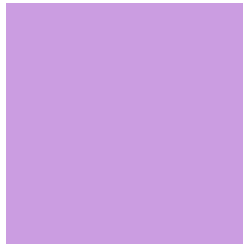
18.6298, 9.5189, 4.7165



1.3314, 0.6758, 0.5378

Previews

White Background



This preview shows how the XYZ color 50.2762, 42.2467, 76.7387 looks on a white background.

Color Contrast Check

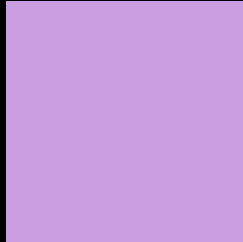
Large Text (above 18pt) WCAG AA × Fail

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 50.2762, 42.2467, 76.7387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

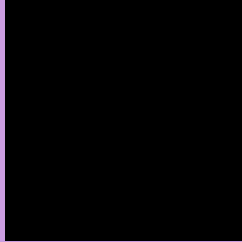
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2762, 42.2467, 76.7387

Background



This preview shows how black text looks on a background with the XYZ color 50.2762, 42.2467, 76.7387.



This preview shows how white text looks on a background with the XYZ color 50.2762, 42.2467,

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

50.2762, 42.2467, 76.7387

Protanopia

43.6031, 42.6291, 85.2870

Deuteranopia

43.4736, 42.5067, 75.0206



Tritanopia

44.5379, 42.2629, 48.4580

Trichromacy



Original Color

50.2762, 42.2467, 76.7387

Protanomaly

45.6178, 42.3479, 82.1136

Deuteranomaly

45.5459, 42.1839, 75.5538

Tritanomaly

46.6142, 42.3220, 57.9367

Monochromacy



Original Color

50.2762, 42.2467, 76.7387

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.2658, 43.8027, 58.2936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2762, 42.2467, 76.7387 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(203, 157, 225)` looks like.

```
.text, #text, p{  
    color:rgb(203, 157, 225)  
}
```

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(203, 157, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 157, 225) }
```

Border

The CSS property to change the border of an element to XYZ 50.2762, 42.2467, 76.7387 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(203, 157, 225) }
```


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

```
.border{ border-color:rgb(203, 157, 225) }
```

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

Here you see how a box with a 4 pixel rgb(203, 157, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 157, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 157, 225);  
box-shadow:4px 4px 4px 4px rgb(203, 157,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2762, 42.2467, 76.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 157, 225) }
```

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

```
.background{ background-color: rgb(203,  
157, 225) }
```

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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