

Converting Colors

XYZ(42.7302, 44.9273, 66.7413)

Have a look what the booklet for
XYZ(42.7302, 44.9273, 66.7413)
contains.

XYZ(42.7302, 44.9273, 66.7413)	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(42.7302, 44.9273,
66.7413)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B4D1
RGB	162, 180, 209
RGB Percent	64%, 71%, 82%
CMY	0.3647, 0.2941, 0.1804
CMYK	0.22, 0.14, 0.00, 0.18
HSL	217°, 34%, 73%
HSV	217°, 22%, 82%
XYZ	42.7302, 44.9273, 66.7413
YIQ	177.9240, -20.0370, 5.2030

Conversions

Conversions Part 2

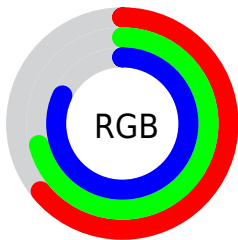
Format	Color
RYB	162, 175, 209
Decimal	10663121
CIELab	72.84, 0.08, -16.71
CIELCh	73, 16.714, 270.288
Yxy	44.9273, 0.2768, 0.2910
Android (android.graphics.Color)	4288853201 (0xFFA2B4D1)
YUV	177.9240, 15.3205, -13.9653
Hunter-Lab	67.0278, -3.5051, -12.1171

Details

The XYZ color **42.7302, 44.9273, 66.7413** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.4475, 53.4259, 41.7844**, and the grayscale version is **42.2070, 44.4050, 48.3571**.

A 20% lighter version of the original color is **76.6607, 81.9626, 106.3877**, and **19.9362, 20.8603, 33.9860** is the 20% darker color. If you saturate the color by 10%, you get **36.3493, 37.9524, 65.7321**, and if you desaturate by 10%, it is **50.0617, 52.7540, 67.8663**.

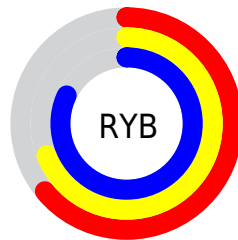
Distribution



Red (64%)

Green (71%)

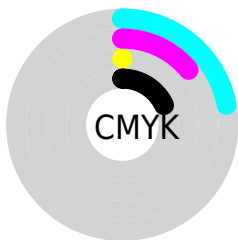
Blue (82%)



Red (64%)

Yellow (69%)

Blue (82%)

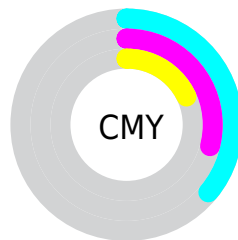


Cyan (22%)

Magenta (14%)

Yellow (0%)

Black (18%)



Cyan (36%)

Magenta (29%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7302, 44.9273, 66.7413 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 42.7302, 44.9273, 66.7413 by changing the saturation by 10% instead.

■ 42.7302, 44.9273,
66.7413

■ 42.7302, 44.9273,
66.7413

348.4414,
366.4790, 467.4998

■ 29.8671, 31.4002,
48.4141

■ 78.5618, 82.6113,
116.1868

■ 19.8853, 20.9038,
33.7927

■ 102.2610,
107.5370, 148.1422

■ 12.4195, 13.0537,
22.4583

130.3030,
137.0309, 185.4774

■ 7.1043, 7.4655,
13.9925

163.0530,
171.4776, 228.6110

■ 3.5743, 3.7549,
7.9768

200.8766,
211.2613, 277.9615

■ 1.4642, 1.5374,
3.9925

244.1389,

■ 0.3013, 0.3148,

256.7666, 333.9474

1.6212

293.2054,
308.3777, 396.9873

■ 0.0000, 0.0000,
0.3059

■ 0.0000, 0.0000,
0.0000

■ 42.7302, 44.9273,
66.7413

■ 42.7302, 44.9273,
66.7413

■ 36.3493, 37.9524,
65.7321

■ 50.0617, 52.7540,
67.8663

■ 30.8734, 31.7927,
64.8317

■ 58.3783, 61.4565,
69.1077

■ 26.2593, 26.4169,
64.0373

■ 67.7181, 71.0643,
70.4700

■ 22.4582, 21.7891,
63.3444

■ 78.1155, 81.6041,
71.9564

■ 19.4160, 17.8703,
62.7483

■ 85.2439, 90.8538,
73.3660

■ 17.0713, 14.6170,
62.2439

■ 88.5088, 97.3835,
74.4543

■ 15.3514, 11.9791,
61.8254

■ 14.3810, 10.3480,
61.5617

Harmonies

Analogous

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



39.9904, 44.9273, 64.1853



42.7302, 44.9273, 66.7413



45.5845, 44.9273, 64.0887

Triad

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



42.7302, 44.9273, 66.7413



47.7142, 44.9273, 41.2784



38.0277, 44.9273, 41.4032

Complementary

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



42.7302, 44.9273, 66.7413



51.4475, 53.4259, 41.7844

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.



39.9438, 44.9273, 36.3531



42.7302, 44.9273, 66.7413



45.5336, 44.9273, 36.2870

Square

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



42.7302, 44.9273, 66.7413



48.5407, 44.9273, 48.8376



42.6739, 44.9273, 34.5893



37.3514, 44.9273, 48.9988

Rectangle

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



42.7302, 44.9273, 66.7413



47.1492, 44.9273, 59.8789



42.6739, 44.9273, 34.5893



38.5437, 44.9273, 39.3840

Sweetspot

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



42.7316, 44.9291, 66.7423



85.3718, 89.9437, 107.4690



47.1039, 57.0441, 57.8096



18.1025, 19.0731, 22.9773



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.



42.7316, 44.9291, 66.7423



62.0099, 65.0254, 103.8906



40.4688, 38.7136, 65.6619



11.5296, 12.1494, 14.9810



8.9553, 6.5573, 37.9862



0.5766, 0.5183, 2.1492

Inverse Universe

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



47.4542, 42.6925, 48.9213



70.7799, 61.2208, 70.7182



54.0925, 60.9796, 43.1030



11.9934, 11.8821, 13.2412



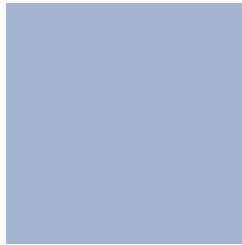
17.1510, 8.7332, 5.7012



0.9973, 0.5036, 0.5204

Previews

White Background



This preview shows how the XYZ color 42.7302, 44.9273, 66.7413 looks on a white background.

Color Contrast Check

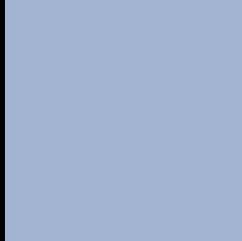
Large Text (above 18pt) WCAG AA × Fail

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 42.7302, 44.9273, 66.7413 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 42.7302, 44.9273, 66.7413

Background



This preview shows how black text looks on a background with the XYZ color 42.7302, 44.9273, 66.7413.



This preview shows how white text looks on a background with the XYZ color 42.7302, 44.9273,

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

42.7302, 44.9273, 66.7413

Protanopia

44.2182, 44.8335, 65.3547

Deuteranopia

45.5913, 44.6285, 67.1840



Tritanopia

41.3032, 44.9607, 59.3247

Trichromacy



Original Color

42.7302, 44.9273, 66.7413

Protanomaly

43.6677, 44.8299, 66.0260

Deuteranomaly

44.3918, 44.5880, 67.2394

Tritanomaly

41.7644, 44.8419, 61.7125

Monochromacy



Original Color

42.7302, 44.9273, 66.7413

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.3187, 44.6850, 54.5387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7302, 44.9273, 66.7413 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(162, 180, 209)` looks like.

```
.text, #text, p{  
    color:rgb(162, 180, 209)  
}
```

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(162, 180, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 180, 209) }
```

Border

The CSS property to change the border of an element to XYZ 42.7302, 44.9273, 66.7413 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(162, 180, 209) }
```


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

```
.border{ border-color:rgb(162, 180, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 180, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 180, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 180, 209);  
box-shadow:4px 4px 4px 4px rgb(162, 180,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7302, 44.9273, 66.7413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 180, 209) }
```

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

```
.background{ background-color: rgb(162,  
180, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor