

Converting Colors

XYZ(42.1413, 45.5146, 62.1919)

Have a look what the booklet for
XYZ(42.1413, 45.5146, 62.1919)
contains.

XYZ(42.2921, 45.7083, 62.4707) 3
 ***Conversions* 4**
 ***Details* 6**
 ***Harmonies* 12**
 ***Previews* 24**
 ***Color Blindness Simulation* 28**
 ***CSS Examples* 31**

Color

**XYZ(42.2921, 45.7083,
62.4707)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B7CA
RGB	161, 183, 202
RGB Percent	63%, 72%, 79%
CMY	0.3686, 0.2823, 0.2078
CMYK	0.20, 0.09, 0.00, 0.21
HSL	208°, 28%, 71%
HSV	208°, 20%, 79%
XYZ	42.2921, 45.7083, 62.4707
YIQ	178.5880, -19.2110, 1.2450

Conversions

Conversions Part 2

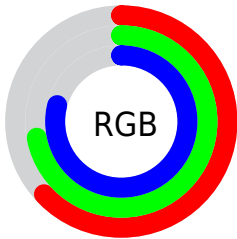
Format	Color
RYB	161, 175, 202
Decimal	10598346
CIELab	73.36, -3.44, -12.13
CIElCh	73, 12.604, 254.182
Yxy	45.7083, 0.2811, 0.3038
Android (android.graphics.Color)	4288788426 (0xFFA1B7CA)
YUV	178.5880, 11.5421, -15.4247
Hunter-Lab	67.6079, -6.6533, -7.4593

Details

The XYZ color **42.2921, 45.7083, 62.4707** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.1119, 47.7724, 40.4572**, and the grayscale version is **42.5776, 44.7950, 48.7817**.

A 20% lighter version of the original color is **77.2354, 83.5519, 106.6641**, and **19.6346, 21.3546, 31.1040** is the 20% darker color. If you saturate the color by 10%, you get **36.6790, 40.0444, 61.6740**, and if you desaturate by 10%, it is **48.6940, 51.9718, 63.3430**.

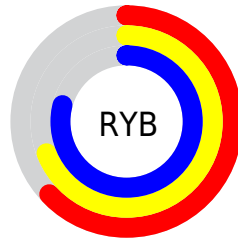
Distribution



Red (63%)

Green (72%)

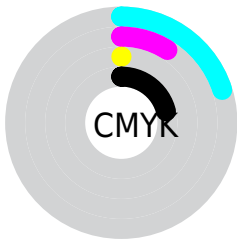
Blue (79%)



Red (63%)

Yellow (69%)

Blue (79%)

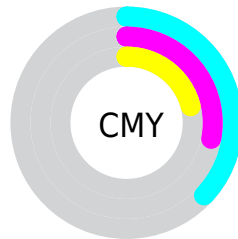


Cyan (20%)

Magenta (9%)

Yellow (0%)

Black (21%)



Cyan (37%)

Magenta (28%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2921, 45.7083, 62.4707 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 42.2921, 45.7083, 62.4707 by changing the saturation by 10% instead.

■ 42.2921, 45.7083,
62.4707

■ 42.2921, 45.7083,
62.4707

346.6634,
369.6347, 451.7009

■ 29.5222, 32.0157,
44.9749

■ 77.9039, 83.7823,
109.9837

■ 19.6225, 21.3735,
31.0949

■ 101.4765,
108.9324, 140.8380

■ 12.2276, 13.3973,
20.4120

129.3807,
138.6706, 176.9822

■ 6.9722, 7.7027,
12.5079

161.9819,
173.3811, 218.8349

■ 3.4909, 3.9053,
6.9638

199.6454,
213.4483, 266.8146

■ 1.4183, 1.6207,
3.3614

242.7366,

■ 0.2692, 0.3715,

259.2568, 321.3398

1.2820

291.6208,
311.1907, 382.8291

■ 0.0000, 0.0000,
0.0470

■ 0.0000, 0.0000,
0.0000

■ 42.2921, 45.7083,
62.4707

■ 42.2921, 45.7083,
62.4707

■ 36.6790, 40.0444,
61.6740

■ 48.6940, 51.9718,
63.3430

■ 31.8166, 34.9532,
60.9476

■ 55.9123, 58.8492,
64.2900

■ 27.6696, 30.4140,
60.2900

■ 63.9785, 66.3614,
65.3149

■ 24.1979, 26.4021,
59.6987

■ 72.9209, 74.5263,
66.4196

■ 21.3573, 22.8908,
59.1706

■ 80.1431, 82.0088,
67.4832

■ 19.0974, 19.8499,
58.7028

■ 82.8153, 87.3533,
68.3739

■ 17.3591, 17.2445,
58.2915

■ 85.6295, 92.9816,
69.3120

■ 16.0658, 15.0743,
57.9408

■ 87.6608, 97.0443,
69.9891

Harmonies

Analogous

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



40.4569, 45.7083, 58.7766



42.2921, 45.7083, 62.4707



44.4978, 45.7083, 62.5758

Triad

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



42.2921, 45.7083, 62.4707



47.7122, 45.7083, 46.8353



40.5390, 45.7083, 41.5126

Complementary

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



42.2921, 45.7083, 62.4707



47.1119, 47.7724, 40.4572

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.



42.4077, 45.7083, 38.8401



42.2921, 45.7083, 62.4707



46.5754, 45.7083, 41.7314

Square

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



42.2921, 45.7083, 62.4707



47.6786, 45.7083, 53.1730



44.6174, 45.7083, 38.9167



39.4685, 45.7083, 46.5126

Rectangle

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



42.2921, 45.7083, 62.4707



45.8850, 45.7083, 60.5731



44.6174, 45.7083, 38.9167



41.0918, 45.7083, 40.3319

Sweetspot

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



42.2935, 45.7102, 62.4717



87.4233, 92.7726, 107.9069



44.0017, 53.0919, 50.8164



18.5412, 19.6938, 23.0740



0.0000, 0.0000, 0.0000



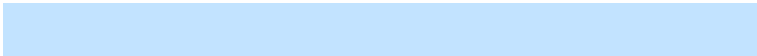
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2935, 45.7102, 62.4717



67.6181, 73.4055, 105.2126



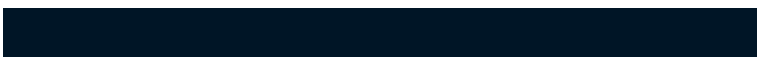
38.4657, 38.0545, 61.1958



11.0920, 11.8244, 14.2681



10.4280, 9.8800, 37.3137



0.6134, 0.6606, 1.9501

Inverse Universe

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



45.6504, 41.4663, 50.3996



74.3031, 65.2809, 81.0987



51.4337, 56.4160, 41.8978



11.4598, 11.3126, 12.9559



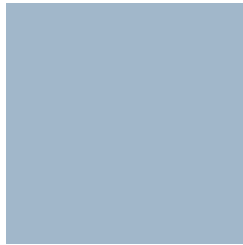
17.4745, 8.8004, 10.2173



0.9396, 0.4692, 0.7277

Previews

White Background



This preview shows how the XYZ color 42.2921, 45.7083, 62.4707 looks on a white background.

Color Contrast Check

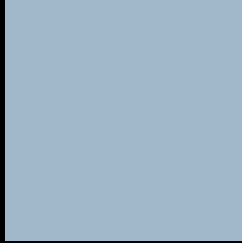
Large Text (above 18pt) WCAG AA × Fail

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 42.2921, 45.7083, 62.4707 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

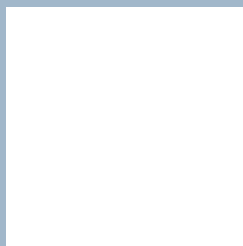
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2921, 45.7083, 62.4707

Background



This preview shows how black text looks on a background with the XYZ color 42.2921, 45.7083, 62.4707.



This preview shows how white text looks on a background with the XYZ color 42.2921, 45.7083,

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

42.2921, 45.7083, 62.4707

Protanopia

44.5604, 45.7108, 60.5073

Deuteranopia

46.4788, 45.4587, 63.4514



Tritanopia

41.8307, 45.8318, 60.0678

Trichromacy



Original Color

42.2921, 45.7083, 62.4707

Protanomaly

43.5412, 45.4706, 61.1254

Deuteranomaly

44.8313, 45.4997, 62.9194

Tritanomaly

41.9465, 45.8781, 60.6774

Monochromacy



Original Color

42.2921, 45.7083, 62.4707

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.3042, 45.0010, 53.4701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2921, 45.7083, 62.4707 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(161, 183, 202)` looks like.

```
.text, #text, p{  
    color:rgb(161, 183, 202)  
}
```

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(161, 183, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 183, 202) }
```

Border

The CSS property to change the border of an element to XYZ 42.2921, 45.7083, 62.4707 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(161, 183, 202) }
```


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

```
.border{ border-color:rgb(161, 183, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 183, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 183, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 183, 202);  
box-shadow:4px 4px 4px 4px rgb(161, 183,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2921, 45.7083, 62.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 183, 202) }
```

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

```
.background{ background-color: rgb(161,  
183, 202) }
```

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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