

Converting Colors

XYZ(42.2022, 48.5838, 73.0814)

Have a look what the booklet for
XYZ(42.2022, 48.5838, 73.0814)
contains.

XYZ(42.2418, 48.6386, 72.8075)	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(42.2418, 48.6386,
72.8075)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC1D9
RGB	139, 193, 217
RGB Percent	55%, 76%, 85%
CMY	0.4549, 0.2431, 0.1490
CMYK	0.36, 0.11, 0.00, 0.15
HSL	198°, 51%, 70%
HSV	198°, 36%, 85%
XYZ	42.2418, 48.6386, 72.8075
YIQ	179.5900, -39.8880, -3.9840

Conversions

Conversions Part 2

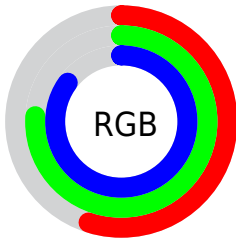
Format	Color
RYB	139, 171, 217
Decimal	9159129
CIELab	75.23, -11.65, -17.61
CIELCh	75, 21.110, 236.511
Yxy	48.6386, 0.2581, 0.2971
Android (android.graphics.Color)	4287349209 (0xFF8BC1D9)
YUV	179.5900, 18.4431, -35.5974
Hunter-Lab	69.7414, -13.9314, -13.0777

Details

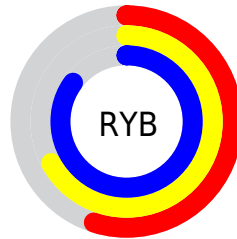
The XYZ color **42.2418, 48.6386, 72.8075** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.3736, 42.8110, 30.2466**, and the grayscale version is **43.0837, 45.3274, 49.3615**.

A 20% lighter version of the original color is **74.4314, 86.5735, 107.3951**, and **19.5005, 23.0052, 37.5951** is the 20% darker color. If you saturate the color by 10%, you get **37.5293, 44.0684, 72.1746**, and if you desaturate by 10%, it is **47.7431, 53.7166, 73.4985**.

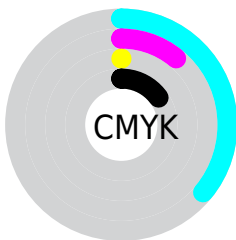
Distribution



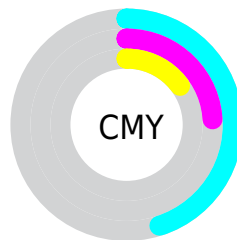
- Red (55%)
- Green (76%)
- Blue (85%)



- Red (55%)
- Yellow (67%)
- Blue (85%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (45%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2418, 48.6386, 72.8075 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 42.2418, 48.6386, 72.8075 by changing the saturation by 10% instead.

■ 42.2418, 48.6386,
72.8075

■ 42.2418, 48.6386,
72.8075

346.4589,
381.3178, 489.4002

■ 29.4826, 34.3329,
53.3277

■ 77.8283, 88.1545,
124.9223

■ 19.5923, 23.1494,
37.6749

■ 101.3864,
114.1334, 158.3943

■ 12.2056, 14.7039,
25.4306

■ 129.2747,
144.7722, 197.3676

■ 6.9570, 8.6118,
16.1762

161.8588,
180.4552, 242.2605

■ 3.4813, 4.4889,
9.4932

199.5039,
221.5669, 293.4917

■ 1.4131, 1.9506,
4.9631

242.5753,

■ 0.2655, 0.5785,

268.4916, 351.4797

2.1673

291.4386,
321.6138, 416.6430

■ 0.0000, 0.0000,
0.6554

■ 0.0000, 0.0000,
0.0000

■ 42.2418, 48.6386,
72.8075

■ 42.2418, 48.6386,
72.8075

■ 37.5293, 44.0684,
72.1746

■ 47.7431, 53.7166,
73.4985

■ 33.5575, 39.9766,
71.5941

■ 54.0687, 59.3186,
74.2464

■ 30.2797, 36.3388,
71.0647

■ 61.2575, 65.4670,
75.0543

■ 27.6415, 33.1258,
70.5836

■ 69.3442, 72.1810,
75.9240

■ 25.5799, 30.3037,
70.1475

■ 78.3619, 79.4788,
76.8574

■ 24.0168, 27.8307,
69.7526

■ 82.9213, 84.5832,
77.6023

■ 23.4685, 26.8978,
69.6014

■ 84.8480, 88.4367,
78.2446

■ 86.8470, 92.4347,
78.9109

■ 88.9191, 96.5789,
79.6016

Harmonies

Analogous

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



39.8819, 48.6386, 63.0589



42.2418, 48.6386, 72.8075



45.7779, 48.6386, 77.2215

Triad

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



42.2418, 48.6386, 72.8075



54.0666, 48.6386, 54.2674



42.9851, 48.6386, 36.0780

Complementary

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



42.2418, 48.6386, 72.8075



46.3736, 42.8110, 30.2466

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.



46.6841, 48.6386, 34.3993



42.2418, 48.6386, 72.8075



53.2173, 48.6386, 43.9998

Square

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



42.2418, 48.6386, 72.8075



52.7212, 48.6386, 65.6176



50.4606, 48.6386, 37.0919



40.2939, 48.6386, 42.0433

Rectangle

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



42.2418, 48.6386, 72.8075



48.3780, 48.6386, 76.1467



50.4606, 48.6386, 37.0919



44.1456, 48.6386, 35.0330

Sweetspot

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



42.2433, 48.6405, 72.8086



82.7811, 89.6794, 107.5546



42.0187, 57.7386, 43.3005



17.4183, 18.9376, 22.9872



0.0000, 0.0000, 0.0000



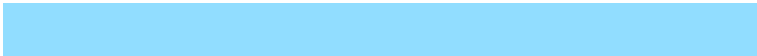
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2433, 48.6405, 72.8086



55.7149, 65.1237, 104.2414



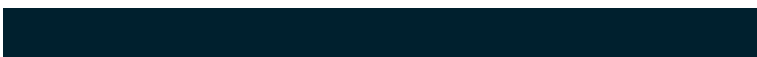
34.8280, 33.8099, 70.3369



13.0892, 14.1182, 16.6874



14.3040, 16.4774, 42.1650



1.0017, 1.2176, 2.7567

Inverse Universe

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



47.4748, 37.0686, 55.1068



64.5053, 46.8524, 74.2344



54.2565, 58.5769, 32.8743



13.4349, 13.2031, 15.5515



20.7153, 10.2872, 18.6788



1.3799, 0.6816, 1.4095

Previews

White Background



This preview shows how the XYZ color 42.2418, 48.6386, 72.8075 looks on a white background.

Color Contrast Check

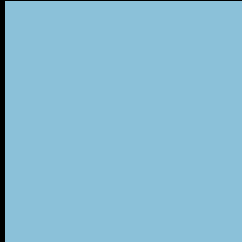
Large Text (above 18pt) WCAG AA × Fail

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 42.2418, 48.6386, 72.8075 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 42.2418, 48.6386, 72.8075

Background



This preview shows how black text looks on a background with the XYZ color 42.2418, 48.6386, 72.8075.



This preview shows how white text looks on a background with the XYZ color 42.2418, 48.6386,

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

42.2418, 48.6386, 72.8075

Protanopia

47.5137, 48.2734, 68.4415

Deuteranopia

49.2471, 48.1241, 74.4034



Tritanopia

41.2412, 48.5551, 68.1712

Trichromacy



Original Color

42.2418, 48.6386, 72.8075

Protanomaly

45.2976, 48.3441, 69.8947

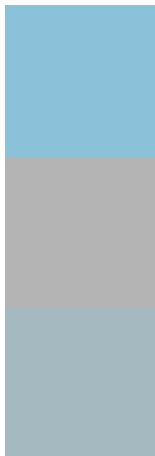
Deuteranomaly

46.2836, 48.1372, 73.8698

Tritanomaly

41.7833, 48.7909, 70.1662

Monochromacy



Original Color

42.2418, 48.6386, 72.8075

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.4917, 46.5475, 57.1971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2418, 48.6386, 72.8075 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(139, 193, 217)` looks like.

```
.text, #text, p{  
    color:rgb(139, 193, 217)  
}
```

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(139, 193, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 193, 217) }
```

Border

The CSS property to change the border of an element to XYZ 42.2418, 48.6386, 72.8075 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(139, 193, 217) }
```


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

```
.border{ border-color:rgb(139, 193, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 193, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 193, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 193, 217);  
box-shadow:4px 4px 4px 4px rgb(139, 193,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2418, 48.6386, 72.8075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 193, 217) }
```

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

```
.background{ background-color: rgb(139,  
193, 217) }
```

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