

Converting Colors

XYZ(42.0375, 48.6214, 69.2254)

Have a look what the booklet for
XYZ(42.0375, 48.6214, 69.2254)
contains.

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Color

**XYZ(42.1090, 48.6442,
69.4572)**

Conversions

Conversions Part 1

Format	Color
Hex	8EC1D4
RGB	142, 193, 212
RGB Percent	56%, 76%, 83%
CMY	0.4431, 0.2431, 0.1686
CMYK	0.33, 0.09, 0.00, 0.17
HSL	196°, 45%, 69%
HSV	196°, 33%, 83%
XYZ	42.1090, 48.6442, 69.4572
YIQ	179.9170, -36.4950, -4.9030

Conversions

Conversions Part 2

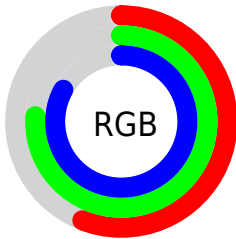
Format	Color
RYB	142, 172, 212
Decimal	9355732
CIELab	75.23, -12.06, -14.87
CIElCh	75, 19.151, 230.958
Yxy	48.6442, 0.2628, 0.3036
Android (android.graphics.Color)	4287545812 (0xFF8EC1D4)
YUV	179.9170, 15.8169, -33.2532
Hunter-Lab	69.7454, -14.2845, -10.2232

Details

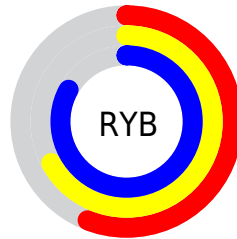
The XYZ color **42.1090, 48.6442, 69.4572** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7795, 41.4404, 31.2312**, and the grayscale version is **43.2710, 45.5245, 49.5762**.

A 20% lighter version of the original color is **75.2144, 86.9771, 107.4318**, and **19.4382, 23.0234, 35.3177** is the 20% darker color. If you saturate the color by 10%, you get **37.5648, 44.4510, 68.8882**, and if you desaturate by 10%, it is **47.3974, 53.2968, 70.0774**.

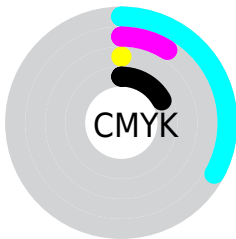
Distribution



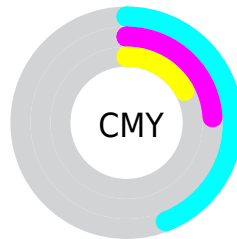
- Red (56%)
- Green (76%)
- Blue (83%)



- Red (56%)
- Yellow (67%)
- Blue (83%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)



- Cyan (44%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1090, 48.6442, 69.4572 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 42.1090, 48.6442, 69.4572 by changing the saturation by 10% instead.

■ 42.1090, 48.6442,
69.4572

■ 42.1090, 48.6442,
69.4572

345.9185,
381.3399, 477.3794

■ 29.3781, 34.3373,
50.6101

■ 77.6287, 88.1628,
120.1082

■ 19.5128, 23.1529,
35.5238

■ 101.1482,
114.1433, 152.7492

■ 12.1476, 14.7064,
23.7799

128.9947,
144.7838, 190.8251

■ 6.9172, 8.6136,
14.9597

161.5335,
180.4686, 234.7547

■ 3.4562, 4.4900,
8.6448

199.1299,
221.5823, 284.9564

■ 1.3994, 1.9513,
4.4166

242.1493,

■ 0.2558, 0.5789,

268.5091, 341.8487

1.8566

290.9571,
321.6336, 405.8502

■ 0.0000, 0.0000,
0.4649

■ 0.0000, 0.0000,
0.0000

■ 42.1090, 48.6442,
69.4572

■ 42.1090, 48.6442,
69.4572

■ 37.5648, 44.4510,
68.8882

■ 47.3974, 53.2968,
70.0774

■ 33.7205, 40.6901,
68.3649

■ 53.4624, 58.4229,
70.7471

■ 30.5337, 37.3400,
67.8862

■ 60.3396, 64.0428,
71.4694

■ 27.9553, 34.3745,
67.4497

■ 68.0612, 70.1739,
72.2458

■ 25.9290, 31.7636,
67.0525

■ 76.6575, 76.8325,
73.0780

■ 24.3867, 29.4715,
66.6914

■ 80.7371, 81.2400,
73.7137

■ 23.5161, 28.0180,
66.4567

■ 82.3421, 84.4500,
74.2487

■ 84.0002, 87.7663,
74.8015

■ 85.7120, 91.1899,
75.3720

Harmonies

Analogous

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



40.2091, 48.6442, 60.1910



42.1090, 48.6442, 69.4572



45.1813, 48.6442, 74.4608

Triad

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



42.1090, 48.6442, 69.4572



53.2322, 48.6442, 56.0642



43.8604, 48.6442, 36.8750

Complementary

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



42.1090, 48.6442, 69.4572



44.7795, 41.4404, 31.2312

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.



47.3046, 48.6442, 36.0644



42.1090, 48.6442, 69.4572



52.8344, 48.6442, 46.3423

Square

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



42.1090, 48.6442, 69.4572



51.6825, 48.6442, 66.1099



50.6218, 48.6442, 39.3153



41.1841, 48.6442, 41.6898

Rectangle

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



42.1090, 48.6442, 69.4572



47.5309, 48.6442, 74.3199



50.6218, 48.6442, 39.3153



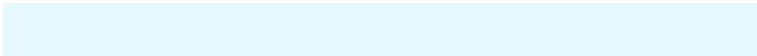
44.9626, 48.6442, 36.1515

Sweetspot

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



42.1105, 48.6461, 69.4583



84.1146, 91.1439, 107.7670



41.1036, 55.4002, 42.0925



17.6972, 19.2556, 23.0339



0.0000, 0.0000, 0.0000



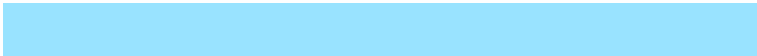
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1105, 48.6461, 69.4583



58.7427, 69.1040, 104.8501



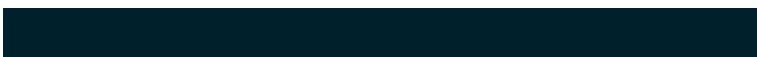
35.3240, 35.0732, 67.1962



12.4939, 13.5112, 15.8869



14.6044, 17.4707, 41.0556



0.9479, 1.1878, 2.4986

Inverse Universe

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



46.4513, 37.1947, 55.1852



66.5402, 49.6060, 78.9704



51.6997, 55.2807, 33.5379



12.8025, 12.5725, 14.9002



20.4305, 10.1085, 20.1029



1.2661, 0.6232, 1.3907

Previews

White Background



This preview shows how the XYZ color 42.1090, 48.6442, 69.4572 looks on a white background.

Color Contrast Check

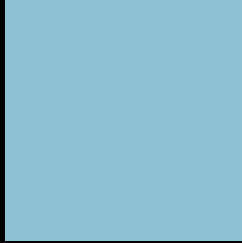
Large Text (above 18pt) WCAG AA × Fail

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 42.1090, 48.6442, 69.4572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

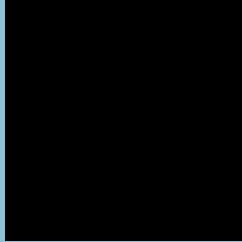
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1090, 48.6442, 69.4572

Background



This preview shows how black text looks on a background with the XYZ color 42.1090, 48.6442, 69.4572.



This preview shows how white text looks on a background with the XYZ color 42.1090, 48.6442,

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

42.1090, 48.6442, 69.4572

Protanopia

47.3655, 48.2683, 65.2128

Deuteranopia

49.3260, 48.2402, 71.0015



Tritanopia

41.5631, 48.4061, 67.4743

Trichromacy



Original Color

42.1090, 48.6442, 69.4572

Protanomaly

45.0918, 48.3102, 66.6227

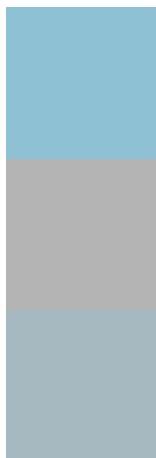
Deuteranomaly

46.2811, 48.2109, 70.4847

Tritanomaly

41.6873, 48.4558, 68.1285

Monochromacy



Original Color

42.1090, 48.6442, 69.4572

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.5893, 46.6107, 56.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1090, 48.6442, 69.4572 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(142, 193, 212)` looks like.

```
.text, #text, p{  
    color:rgb(142, 193, 212)  
}
```

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(142, 193, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 193, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.1090, 48.6442, 69.4572 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(142, 193, 212) }
```


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

```
.border{ border-color:rgb(142, 193, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 193, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 193, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 193, 212);  
box-shadow:4px 4px 4px 4px rgb(142, 193,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1090, 48.6442, 69.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 193, 212) }
```

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

```
.background{ background-color: rgb(142,  
193, 212) }
```

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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