

Converting Colors

XYZ(41.2943, 49.4468, 73.8568)

Have a look what the booklet for
XYZ(41.2943, 49.4468, 73.8568)
contains.

XYZ(41.2253, 49.4301, 73.6978)	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(41.2253, 49.4301,
73.6978)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC5DA
RGB	126, 197, 218
RGB Percent	49%, 77%, 85%
CMY	0.5059, 0.2274, 0.1451
CMYK	0.42, 0.10, 0.00, 0.15
HSL	194°, 55%, 67%
HSV	194°, 42%, 85%
XYZ	41.2253, 49.4301, 73.6978
YIQ	178.1650, -49.0570, -8.5210

Conversions

Conversions Part 2

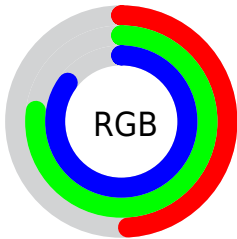
Format	Color
RYB	126, 166, 218
Decimal	8308186
CIELab	75.72, -16.85, -17.47
CIELCh	76, 24.273, 226.021
Yxy	49.4301, 0.2508, 0.3008
Android (android.graphics.Color)	4286498266 (0xFF7EC5DA)
YUV	178.1650, 19.6387, -45.7487
Hunter-Lab	70.3065, -18.3703, -12.9353

Details

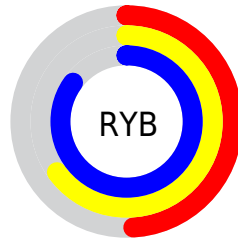
The XYZ color **41.2253, 49.4301, 73.6978** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.1139, 37.2800, 24.6633**, and the grayscale version is **42.3234, 44.5275, 48.4905**.

A 20% lighter version of the original color is **72.7832, 88.0487, 107.7668**, and **18.9591, 23.5914, 38.2047** is the 20% darker color. If you saturate the color by 10%, you get **37.2434, 45.7287, 73.1941**, and if you desaturate by 10%, it is **45.9480, 53.5709, 74.2490**.

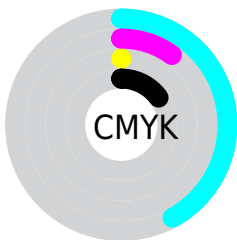
Distribution



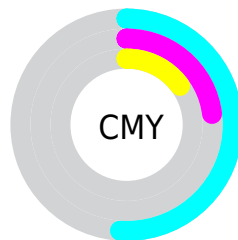
- Red (49%)
- Green (77%)
- Blue (85%)



- Red (49%)
- Yellow (65%)
- Blue (85%)



- Cyan (42%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)



- Cyan (51%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2253, 49.4301, 73.6978 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 41.2253, 49.4301, 73.6978 by changing the saturation by 10% instead.

■ 41.2253, 49.4301,
73.6978

■ 41.2253, 49.4301,
73.6978

342.3079,
384.4331, 492.5652

■ 28.6836, 34.9608,
54.0514

■ 76.2983, 89.3299,
126.1974

■ 18.9847, 23.6327,
38.2493

■ 99.5604, 115.5292,
159.8877

■ 11.7632, 15.0614,
25.8729

■ 127.1266,
146.4073, 199.0965

■ 6.6537, 8.8625,
16.5037

159.3624,
182.3485, 244.2422

■ 3.2909, 4.6516,
9.7231

196.6331,
223.7373, 295.7433

■ 1.3094, 2.0443,
5.1125

239.3040,

■ 0.1902, 0.6330,

270.9581, 354.0185

2.2536

287.7405,
324.3952, 419.4863

■ 0.0000, 0.0000,
0.7050

■ 0.0000, 0.0000,
0.0000

■ 41.2253, 49.4301,
73.6978

■ 41.2253, 49.4301,
73.6978

■ 37.2434, 45.7287,
73.1941

■ 45.9480, 53.5709,
74.2490

■ 33.9513, 42.4367,
72.7322

■ 51.4490, 58.1678,
74.8464

■ 31.2988, 39.5287,
72.3107

■ 57.7688, 63.2432,
75.4929

■ 29.2263, 36.9736,
71.9267

■ 64.9436, 68.8162,
76.1905

■ 27.6626, 34.7338,
71.5768

■ 73.0074, 74.9049,
76.9407

■ 26.7028, 33.1575,
71.3232

■ 81.3253, 81.1824,
77.7140

■ 82.7048, 83.9416,
78.1738

■ 84.1240, 86.7800,
78.6469

■ 85.5832, 89.6983,
79.1333

Harmonies

Analogous

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



39.1454, 49.4301, 60.9551



41.2253, 49.4301, 73.6978



44.9223, 49.4301, 81.6309

Triad

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



41.2253, 49.4301, 73.6978



55.8896, 49.4301, 60.0324



44.6336, 49.4301, 33.3414

Complementary

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



41.2253, 49.4301, 73.6978



43.1139, 37.2800, 24.6633

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.



49.1034, 49.4301, 33.1755



41.2253, 49.4301, 73.6978



55.8000, 49.4301, 47.2664

Square

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



41.2253, 49.4301, 73.6978



53.4883, 49.4301, 72.9300



53.2507, 49.4301, 37.8840



41.0257, 49.4301, 38.3805

Rectangle

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



41.2253, 49.4301, 73.6978



47.8955, 49.4301, 82.4217



53.2507, 49.4301, 37.8840



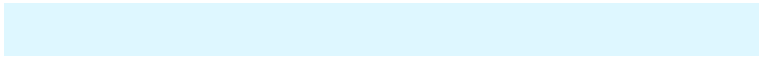
46.0799, 49.4301, 32.7448

Sweetspot

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



41.2268, 49.4320, 73.6990



81.5218, 89.5131, 107.5888



38.8598, 56.6527, 36.0552



17.0025, 18.8046, 22.9835



0.0000, 0.0000, 0.0000



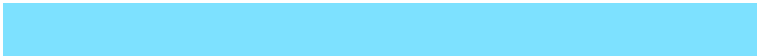
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2268, 49.4320, 73.6990



53.5112, 65.5982, 104.4491



32.4993, 31.9770, 70.7898



13.1798, 14.2993, 16.7175



16.0822, 20.0339, 42.7577



1.1047, 1.4236, 2.7910

Inverse Universe

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



46.4536, 33.8597, 56.9126



62.2012, 41.3681, 76.1676



51.5154, 54.0829, 27.4638



13.4806, 13.2213, 15.7921



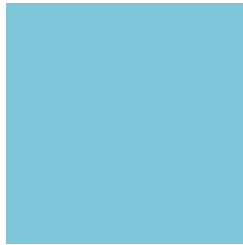
21.6129, 10.6462, 23.4053



1.4319, 0.7024, 1.6834

Previews

White Background



This preview shows how the XYZ color 41.2253, 49.4301, 73.6978 looks on a white background.

Color Contrast Check

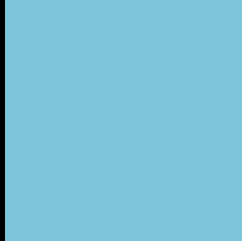
Large Text (above 18pt) WCAG AA × Fail

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 41.2253, 49.4301, 73.6978 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 41.2253, 49.4301, 73.6978

Background



This preview shows how black text looks on a background with the XYZ color 41.2253, 49.4301, 73.6978.



This preview shows how white text looks on a background with the XYZ color 41.2253, 49.4301,

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

41.2253, 49.4301, 73.6978

Protanopia

48.0648, 48.8792, 67.8741

Deuteranopia

50.0288, 49.1155, 75.2500



Tritanopia

40.7891, 49.6032, 71.0429

Trichromacy



Original Color

41.2253, 49.4301, 73.6978

Protanomaly

45.1081, 48.8807, 70.0083

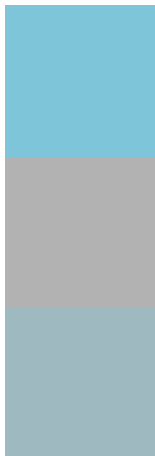
Deuteranomaly

45.9984, 48.6005, 74.6666

Tritanomaly

40.9173, 49.6544, 71.7177

Monochromacy



Original Color

41.2253, 49.4301, 73.6978

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.2727, 45.9191, 57.1400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2253, 49.4301, 73.6978 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(126, 197, 218)` looks like.

```
.text, #text, p{  
    color:rgb(126, 197, 218)  
}
```

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(126, 197, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 197, 218) }
```

Border

The CSS property to change the border of an element to XYZ 41.2253, 49.4301, 73.6978 is called "border". The border property can be set on classes, ids or directly on the HTML element.

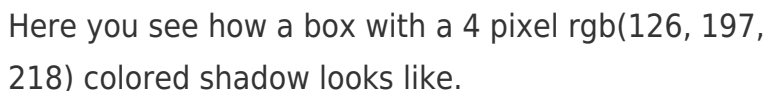
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 197, 218) }
```


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

```
.border{ border-color:rgb(126, 197, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 197, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 197, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 197, 218);  
box-shadow:4px 4px 4px 4px rgb(126, 197,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2253, 49.4301, 73.6978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 197, 218) }
```

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

```
.background{ background-color: rgb(126,  
197, 218) }
```

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