

Converting Colors

XYZ(41.3032, 52.1729, 73.2829)

Have a look what the booklet for
XYZ(41.3032, 52.1729, 73.2829)
contains.

XYZ(41.4259, 52.3172, 73.5605)	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(41.4259, 52.3172,
73.5605)**

Conversions

Conversions Part 1

Format	Color
Hex	73CDD9
RGB	115, 205, 217
RGB Percent	45%, 80%, 85%
CMY	0.5490, 0.1961, 0.1490
CMYK	0.47, 0.06, 0.00, 0.15
HSL	187°, 57%, 65%
HSV	187°, 47%, 85%
XYZ	41.4259, 52.3172, 73.5605
YIQ	179.4580, -57.4920, -15.3480

Conversions

Conversions Part 2

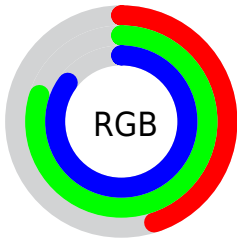
Format	Color
RYB	115, 163, 217
Decimal	7589337
CIELab	77.47, -23.79, -14.34
CIElCh	77, 27.779, 211.071
Yxy	52.3172, 0.2476, 0.3127
Android (android.graphics.Color)	4285779417 (0xFF73CDD9)
YUV	179.4580, 18.5082, -56.5297
Hunter-Lab	72.3306, -24.3464, -9.6667

Details

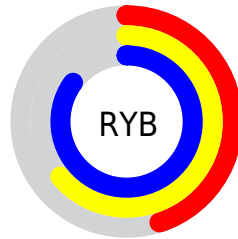
The XYZ color **41.4259, 52.3172, 73.5605** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.3001, 31.1692, 20.1659**, and the grayscale version is **43.0197, 45.2601, 49.2882**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **19.1637, 25.5541, 38.1048** is the 20% darker color. If you saturate the color by 10%, you get **38.2961, 49.8058, 73.2416**, and if you desaturate by 10%, it is **45.2405, 55.1988, 73.9166**.

Distribution



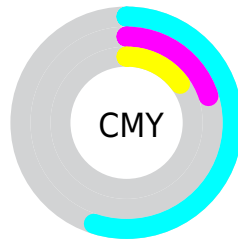
- Red (45%)
- Green (80%)
- Blue (85%)



- Red (45%)
- Yellow (64%)
- Blue (85%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (55%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4259, 52.3172, 73.5605 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 41.4259, 52.3172, 73.5605 by changing the saturation by 10% instead.

■ 41.4259, 52.3172,
73.5605

■ 41.4259, 52.3172,
73.5605

343.1298,
395.6600, 492.0779

■ 28.8412, 37.2580,
53.9398

■ 76.6006, 93.5989,
126.0009

■ 19.1044, 25.4073,
38.1607

■ 99.9213, 120.5901,
159.6576

■ 11.8502, 16.3808,
25.8046

■ 127.5514,
152.3275, 198.8301

■ 6.7132, 9.7940,
16.4531

159.8562,
189.1953, 243.9369

■ 3.3281, 5.2626,
9.6875

197.2011,
231.5781, 295.3965

■ 1.3296, 2.4021,
5.0894

239.9514,

■ 0.2052, 0.8270,

279.8602, 353.6276

2.2401

288.4725,
334.4261, 419.0485

■ 0.0000, 0.0000,
0.6974

■ 0.0000, 0.0000,
0.0000

■ 41.4259, 52.3172,
73.5605

■ 41.4259, 52.3172,
73.5605

■ 38.2961, 49.8058,
73.2416

■ 45.2405, 55.1988,
73.9166

■ 35.7983, 47.6338,
72.9540


■ 49.7783, 58.4669,
74.3082

■ 33.8800, 45.7751,
72.6964


■ 55.0805, 62.1439,
74.7385


■ 32.4778, 44.1971,
72.4657


■ 61.1838, 66.2490,
75.2092


 31.5084, 42.8567,
72.2581


 68.1227, 70.7999,
75.7219

 31.2592, 42.4791,
72.1983

 75.9294, 75.8132,
76.2781

 80.1180, 78.9766,
76.6679

 80.8046, 80.3499,
76.8968

 81.5016, 81.7439,
77.1291

Harmonies

Analogous

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



40.1346, 52.3172, 57.5170



41.4259, 52.3172, 73.5605



44.9145, 52.3172, 86.8320

Triad

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



41.4259, 52.3172, 73.5605



59.2825, 52.3172, 72.4351



49.5339, 52.3172, 32.2962

Complementary

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



41.4259, 52.3172, 73.5605



39.3001, 31.1692, 20.1659

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.



54.8692, 52.3172, 34.8764



41.4259, 52.3172, 73.5605



60.7352, 52.3172, 56.4156

Square

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



41.4259, 52.3172, 73.5605



55.2256, 52.3172, 86.1046



59.0666, 52.3172, 43.0737



44.6040, 52.3172, 35.2750

Rectangle

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



41.4259, 52.3172, 73.5605



48.1465, 52.3172, 91.3022



59.0666, 52.3172, 43.0737



51.3395, 52.3172, 32.5378

Sweetspot

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



41.4275, 52.3192, 73.5617



81.7887, 91.1965, 107.8997



35.7085, 54.8014, 28.7416



17.1139, 19.2535, 23.0642



0.0000, 0.0000, 0.0000



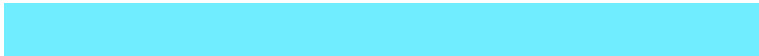
20.3446, 21.4041, 23.3091

Same Dimension

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



41.4275, 52.3192, 73.5617



55.3910, 71.9448, 105.5751



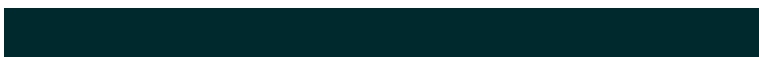
31.1680, 31.8003, 70.1419



13.3073, 14.5544, 16.7600



18.9733, 25.8160, 43.7214



1.2670, 1.7480, 2.8451

Inverse Universe

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



45.7668, 31.4223, 61.4127



62.5186, 39.0775, 85.2925



47.6114, 47.7918, 22.9363



13.5450, 13.2471, 16.1311



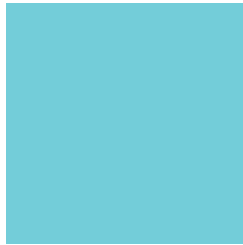
23.0722, 11.2299, 31.0898



1.5138, 0.7352, 2.1145

Previews

White Background



This preview shows how the XYZ color 41.4259, 52.3172, 73.5605 looks on a white background.

Color Contrast Check

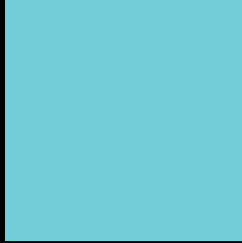
Large Text (above 18pt) WCAG AA × Fail

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 41.4259, 52.3172, 73.5605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

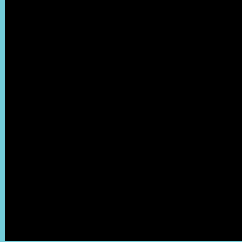
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.4259, 52.3172, 73.5605

Background



This preview shows how black text looks on a background with the XYZ color 41.4259, 52.3172, 73.5605.

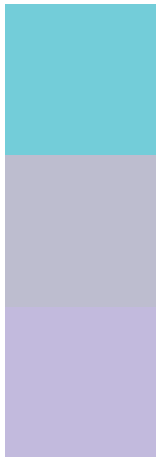


This preview shows how white text looks on a background with the XYZ color 41.4259, 52.3172,

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

41.4259, 52.3172, 73.5605

Protanopia

50.4463, 51.7190, 66.3554

Deuteranopia

52.8582, 51.8076, 75.6206



Tritanopia

41.8465, 52.1192, 76.2611

Trichromacy



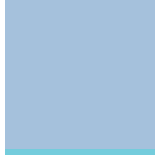
Original Color

41.4259, 52.3172, 73.5605



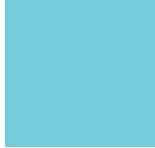
Protanomaly

46.1733, 51.4147, 69.1185



Deuteranomaly

47.5053, 51.3066, 75.1095



Tritanomaly

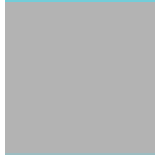
41.7136, 52.0660, 75.5614

Monochromacy



Original Color

41.4259, 52.3172, 73.5605



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

41.3192, 46.8846, 57.3240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4259, 52.3172, 73.5605 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(115, 205, 217)` looks like.

```
.text, #text, p{  
    color:rgb(115, 205, 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(115, 205, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 205, 217) }
```

Border

The CSS property to change the border of an element to XYZ 41.4259, 52.3172, 73.5605 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(115, 205, 217) }
```


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

```
.border{ border-color:rgb(115, 205, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 205, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 205, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 205, 217);  
box-shadow:4px 4px 4px 4px rgb(115, 205,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4259, 52.3172, 73.5605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 205, 217) }
```

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

```
.background{ background-color: rgb(115,  
205, 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