

Converting Colors

XYZ(41.5961, 59.7276, 74.3278)

Have a look what the booklet for
XYZ(41.5961, 59.7276, 74.3278)
contains.

XYZ(41.5046, 59.5344, 74.2695)	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(41.5046, 59.5344,
74.2695)**

Conversions

Conversions Part 1

Format	Color
Hex	45E0D8
RGB	69, 224, 216
RGB Percent	27%, 88%, 85%
CMY	0.7294, 0.1216, 0.1529
CMYK	0.69, 0.00, 0.04, 0.12
HSL	177°, 71%, 57%
HSV	177°, 69%, 88%
XYZ	41.5046, 59.5344, 74.2695
YIQ	176.7430, -89.8120, -35.3480

Conversions

Conversions Part 2

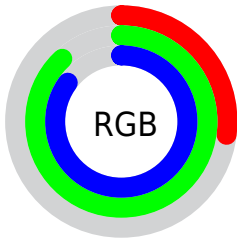
Format	Color
RYB	69, 149, 224
Decimal	4579544
CIELab	81.58, -41.29, -7.81
CIELCh	82, 42.019, 190.705
Yxy	59.5344, 0.2368, 0.3396
Android (android.graphics.Color)	4282769624 (0xFF45E0D8)
YUV	176.7430, 19.3537, -94.4906
Hunter-Lab	77.1585, -39.0099, -3.0590

Details

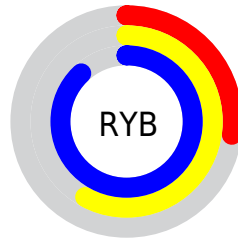
The XYZ color **41.5046, 59.5344, 74.2695** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.2102, 20.6412, 9.2044**, and the grayscale version is **41.5928, 43.7589, 47.6534**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **20.4357, 30.5785, 38.5434** is the 20% darker color. If you saturate the color by 10%, you get **40.0568, 58.8066, 73.4253**, and if you desaturate by 10%, it is **43.5564, 60.5762, 75.1502**.

Distribution



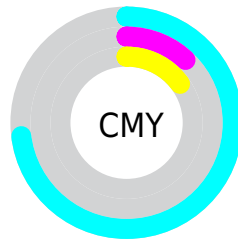
- Red (27%)
- Green (88%)
- Blue (85%)



- Red (27%)
- Yellow (58%)
- Blue (88%)



- Cyan (69%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)



- Cyan (73%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5046, 59.5344, 74.2695 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 41.5046, 59.5344, 74.2695 by changing the saturation by 10% instead.

41.5046, 59.5344,
74.2695

41.5046, 59.5344,
74.2695

343.4519,
422.8795, 494.5912

28.9030, 43.0435,
54.5165

76.7192, 104.1540,
127.0153

19.1514, 29.9192,
38.6188

100.0629,
133.0514, 160.8453

11.8844, 19.7773,
26.1577

127.7180,
166.8531, 200.2046

6.7366, 12.2333,
16.7149

160.0498,
205.9434, 245.5119

3.3428, 6.9027,
9.8716

197.4238,
250.7068, 297.1857

1.3375, 3.4013,
5.2094

240.2052,

0.2110, 1.3447,

301.5277, 355.6444

2.3098

288.7594,
358.7905, 421.3068

■ 0.0000, 0.1754,
0.7367

■ 0.0000, 0.0000,
0.0000

■ 41.5046, 59.5344,
74.2695

■ 41.5046, 59.5344,
74.2695

■ 40.0568, 58.8066,
73.4253

■ 43.5564, 60.5762,
75.1502

■ 39.1361, 58.3491,
72.6098


■ 46.2674, 61.9563,
76.0658


■ 38.6301, 58.1052,
71.8193


■ 49.6924, 63.7044,
77.0205


■ 38.5957, 58.0888,
71.7560


■ 53.8791, 65.8450,
78.0163

 58.8711, 68.4006,
79.0553

 64.7087, 71.3920,
80.1394

 71.4293, 74.8386,
81.2704

 79.0685, 78.7585,
82.4500

 81.6804, 80.0867,
83.3999

Harmonies

Analogous

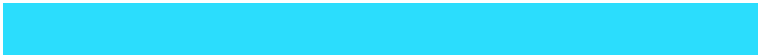
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.0416, 59.5344, 50.0627



41.5046, 59.5344, 74.2695



44.6790, 59.5344, 101.9359

Triad

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



41.5046, 59.5344, 74.2695



68.3815, 59.5344, 109.0510



62.3762, 59.5344, 28.9396

Complementary

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



41.5046, 59.5344, 74.2695



34.2102, 20.6412, 9.2044

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.



70.4395, 59.5344, 38.0276



41.5046, 59.5344, 74.2695



74.1480, 59.5344, 82.2317

Square

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



41.5046, 59.5344, 74.2695



59.7946, 59.5344, 125.2138



74.9380, 59.5344, 56.2132



53.4937, 59.5344, 27.8537

Rectangle

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



41.5046, 59.5344, 74.2695



48.6869, 59.5344, 117.0743



74.9380, 59.5344, 56.2132



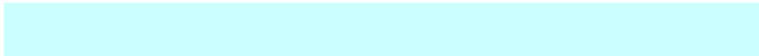
65.2956, 59.5344, 31.0222

Sweetspot

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



41.5064, 59.5367, 74.2709



77.5766, 91.0432, 105.7755



30.9841, 55.4199, 14.6959



16.1951, 19.2773, 22.5568



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.



41.5064, 59.5367, 74.2709



53.1112, 78.5773, 98.0139



27.9397, 30.7072, 74.9780



14.0844, 15.5595, 17.4797



22.4782, 33.8161, 41.8369



1.5676, 2.3478, 2.9500

Inverse Universe

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



34.2102, 20.6412, 9.2044



42.7890, 23.2823, 5.7629



40.6446, 33.9349, 10.0396



13.7358, 13.7119, 14.3788



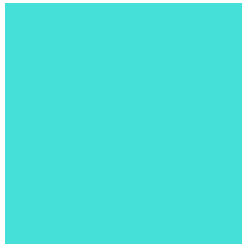
17.9430, 9.2442, 1.0995



1.2540, 0.6449, 0.1302

Previews

White Background



This preview shows how the XYZ color 41.5046, 59.5344, 74.2695 looks on a white background.

Color Contrast Check

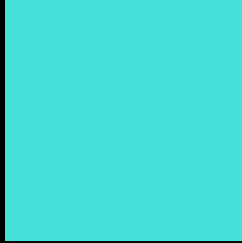
Large Text (above 18pt) WCAG AA × Fail

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 41.5046, 59.5344, 74.2695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

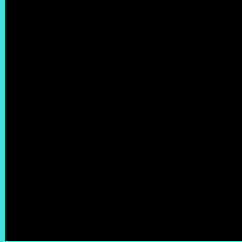
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

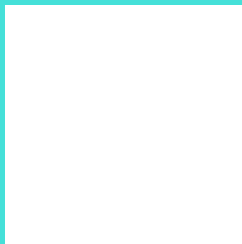
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5046, 59.5344, 74.2695

Background



This preview shows how black text looks on a background with the XYZ color 41.5046, 59.5344, 74.2695.

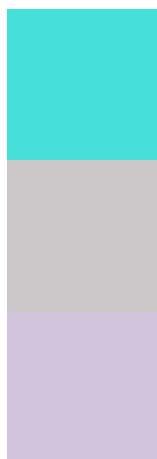


This preview shows how white text looks on a background with the XYZ color 41.5046, 59.5344,

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

41.5046, 59.5344, 74.2695

Protanopia

56.2168, 58.4102, 64.1885

Deuteranopia

59.7887, 58.6027, 77.2675



Tritanopia

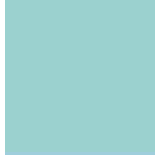
44.8298, 59.6942, 90.8207

Trichromacy



Original Color

41.5046, 59.5344, 74.2695



Protanomaly

47.5805, 57.0745, 67.5402



Deuteranomaly

49.2876, 56.6808, 76.0529



Tritanomaly

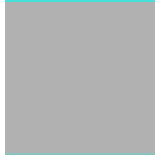
43.6056, 59.5899, 84.8050

Monochromacy



Original Color

41.5046, 59.5344, 74.2695



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.1770, 47.7484, 56.4417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5046, 59.5344, 74.2695 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(69, 224, 216)` looks like.

```
.text, #text, p{  
    color:rgb(69, 224, 216)  
}
```

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(69, 224, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 224, 216) }
```

Border

The CSS property to change the border of an element to XYZ 41.5046, 59.5344, 74.2695 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(69, 224, 216) }
```


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

```
.border{ border-color:rgb(69, 224, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 224, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 224, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 224, 216);  
box-shadow:4px 4px 4px 4px rgb(69, 224,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5046, 59.5344, 74.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 224, 216) }
```

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

```
.background{ background-color: rgb(69, 224,  
216) }
```

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