

Converting Colors

XYZ(40.5806, 59.1966, 71.7184)

Have a look what the booklet for
XYZ(40.5806, 59.1966, 71.7184)
contains.

XYZ(40.5259, 59.0889, 71.5567)	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(40.5259, 59.0889,
71.5567)**

Conversions

Conversions Part 1

Format	Color
Hex	3EE0D4
RGB	62, 224, 212
RGB Percent	24%, 88%, 83%
CMY	0.7568, 0.1216, 0.1686
CMYK	0.72, 0.00, 0.05, 0.12
HSL	176°, 72%, 56%
HSV	176°, 72%, 88%
XYZ	40.5259, 59.0889, 71.5567
YIQ	174.1940, -92.7000, -38.0760

Conversions

Conversions Part 2

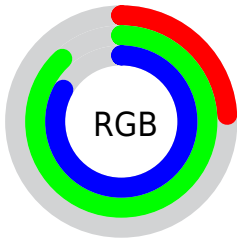
Format	Color
RYB	62, 146, 224
Decimal	4120788
CIELab	81.34, -43.24, -6.06
CIELCh	81, 43.663, 187.972
Yxy	59.0889, 0.2368, 0.3452
Android (android.graphics.Color)	4282310868 (0xFF3EE0D4)
YUV	174.1940, 18.6384, -98.3941
Hunter-Lab	76.8693, -40.4151, -1.3838

Details

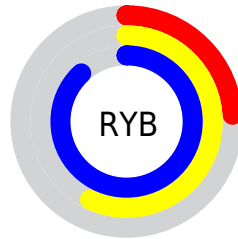
The XYZ color **40.5259, 59.0889, 71.5567** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.7011, 19.7887, 8.5239**, and the grayscale version is **40.2753, 42.3727, 46.1439**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **20.1742, 30.4739, 37.1665** is the 20% darker color. If you saturate the color by 10%, you get **39.1921, 58.4267, 70.4082**, and if you desaturate by 10%, it is **42.4439, 60.0547, 72.7464**.

Distribution



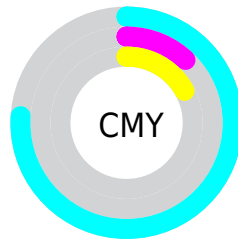
- Red (24%)
- Green (88%)
- Blue (83%)



- Red (24%)
- Yellow (57%)
- Blue (88%)



- Cyan (72%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)





- Cyan (76%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5259, 59.0889, 71.5567 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 40.5259, 59.0889, 71.5567 by changing the saturation by 10% instead.


 40.5259, 59.0889,
71.5567


 40.5259, 59.0889,
71.5567


339.4317,
421.2313, 484.9332


 28.1349, 42.6847,
52.3120


 75.2429, 103.5069,
123.1279


 18.5683, 29.6378,
36.8699


 98.2996, 132.2894,
156.2915

 11.4609, 19.5638,
24.8118


 125.6423,
165.9668, 194.9318

 6.4473, 12.0784,
15.7191

 157.6362,
204.9236, 239.4674

 3.1622, 6.7971,
9.1734

194.6467,
249.5440, 290.3168

 1.2401, 3.3355,
4.7561

237.0392,

 0.1377, 1.3093,

300.2125, 347.8985

2.0487

285.1791,
357.3134, 412.6311

■ 0.0000, 0.1484,
0.5850

■ 0.0000, 0.0000,
0.0000

■ 40.5259, 59.0889,
71.5567

■ 40.5259, 59.0889,
71.5567

■ 39.1921, 58.4267,
70.4082

■ 42.4439, 60.0547,
72.7464


■ 38.3608, 58.0220,
69.2932


■ 45.0042, 61.3500,
73.9761


■ 37.9690, 57.8381,
68.4557


■ 48.2637, 63.0055,
75.2498


■ 52.2716, 65.0466,
76.5699

 57.0726, 67.4963,
77.9384

 62.7081, 70.3759,
79.3574

 69.2163, 73.7052,
80.8287

 76.6333, 77.5027,
82.3540

 81.7532, 80.1158,
83.7832

Harmonies

Analogous

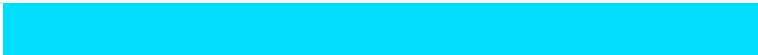
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4259, 59.0889, 47.2820



40.5259, 59.0889, 71.5567



43.4430, 59.0889, 100.4443

Triad

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



40.5259, 59.0889, 71.5567



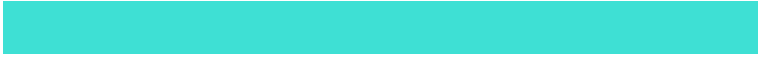
67.6560, 59.0889, 112.5971



62.9984, 59.0889, 28.1118

Complementary

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



40.5259, 59.0889, 71.5567



33.7011, 19.7887, 8.5239

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.



71.1493, 59.0889, 38.1229



40.5259, 59.0889, 71.5567



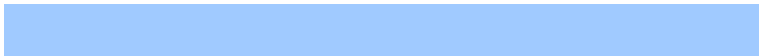
74.0346, 59.0889, 85.0690

Square

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



40.5259, 59.0889, 71.5567



58.6293, 59.0889, 127.9819



75.3778, 59.0889, 57.6214



53.7653, 59.0889, 26.3200

Rectangle

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



40.5259, 59.0889, 71.5567



47.3672, 59.0889, 116.9908



75.3778, 59.0889, 57.6214



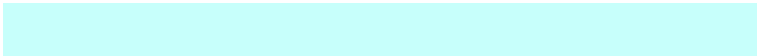
65.9836, 59.0889, 30.4650

Sweetspot

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



40.5276, 59.0911, 71.5581



76.6746, 90.6036, 104.5847



30.4680, 55.1775, 13.6033



16.0107, 19.1882, 22.2766



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.



40.5276, 59.0911, 71.5581



51.9076, 78.0520, 93.6534



27.4157, 30.3535, 74.9373



14.0704, 15.5539, 17.4062



22.1187, 33.6723, 39.9437



1.5464, 2.3393, 2.8386

Inverse Universe

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



33.7011, 19.7887, 8.5239



42.3549, 22.5828, 5.0976



39.5285, 32.0301, 8.6578



13.7482, 13.7169, 14.4444



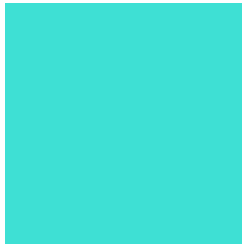
17.9661, 9.2534, 1.2212



1.2599, 0.6472, 0.1616

Previews

White Background



This preview shows how the XYZ color 40.5259, 59.0889, 71.5567 looks on a white background.

Color Contrast Check

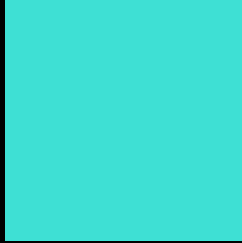
Large Text (above 18pt) WCAG AA × Fail

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 40.5259, 59.0889, 71.5567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

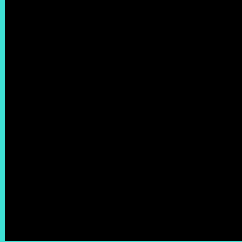
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

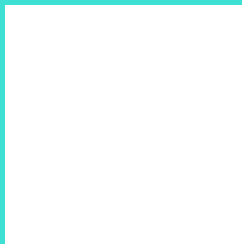
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5259, 59.0889, 71.5567

Background



This preview shows how black text looks on a background with the XYZ color 40.5259, 59.0889, 71.5567.

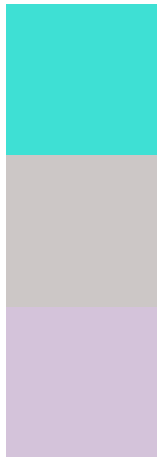


This preview shows how white text looks on a background with the XYZ color 40.5259, 59.0889,

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

40.5259, 59.0889, 71.5567

Protanopia

55.5183, 57.7614, 61.6490

Deuteranopia

59.3214, 58.0892, 74.4154



Tritanopia

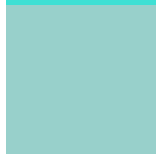
44.0864, 58.9372, 89.9413

Trichromacy



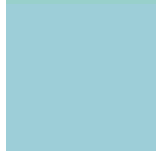
Original Color

40.5259, 59.0889, 71.5567



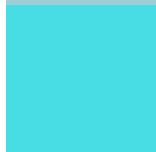
Protanomaly

46.2843, 56.0989, 64.8887



Deuteranomaly

48.3706, 56.2686, 73.2773



Tritanomaly

42.6718, 58.7478, 83.2192

Monochromacy



Original Color

40.5259, 59.0889, 71.5567



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.5996, 46.3167, 54.5353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5259, 59.0889, 71.5567 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(62, 224, 212)` looks like.

```
.text, #text, p{  
    color:rgb(62, 224, 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(62, 224, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 224, 212) }
```

Border

The CSS property to change the border of an element to XYZ 40.5259, 59.0889, 71.5567 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(62, 224, 212) }
```


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

```
.border{ border-color:rgb(62, 224, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 224, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 224, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 224, 212);  
box-shadow:4px 4px 4px 4px rgb(62, 224,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5259, 59.0889, 71.5567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 224, 212) }
```

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

```
.background{ background-color: rgb(62, 224,  
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](#).

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