

Converting Colors

XYZ(40.2713, 53.5187, 71.9600)

Have a look what the booklet for
XYZ(40.2713, 53.5187, 71.9600)
contains.

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Color

**XYZ(40.3298, 53.6009,
71.8387)**

Conversions

Conversions Part 1

Format	Color
Hex	63D2D6
RGB	99, 210, 214
RGB Percent	39%, 82%, 84%
CMY	0.6117, 0.1765, 0.1608
CMYK	0.54, 0.02, 0.00, 0.16
HSL	182°, 58%, 61%
HSV	182°, 54%, 84%
XYZ	40.3298, 53.6009, 71.8387
YIQ	177.2670, -67.4400, -22.2880

Conversions

Conversions Part 2

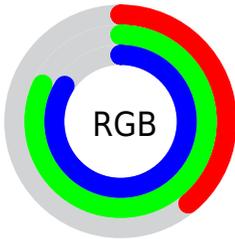
Format	Color
RYB	99, 155, 214
Decimal	6542038
CIELab	78.23, -30.44, -11.65
CIELCh	78, 32.589, 200.945
Yxy	53.6009, 0.2433, 0.3233
Android (android.graphics.Color)	4284732118 (0xFF63D2D6)
YUV	177.2670, 18.1094, -68.6402
Hunter-Lab	73.2126, -29.7939, -6.9285

Details

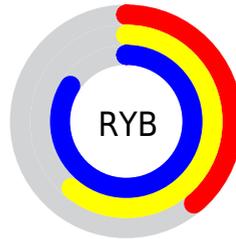
The XYZ color **40.3298, 53.6009, 71.8387** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.8350, 24.8985, 14.7757**, and the grayscale version is **41.8650, 44.0452, 47.9652**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **18.4054, 26.1655, 36.8813** is the 20% darker color. If you saturate the color by 10%, you get **38.1116, 52.1865, 71.6836**, and if you desaturate by 10%, it is **43.1715, 55.3404, 72.0256**.

Distribution



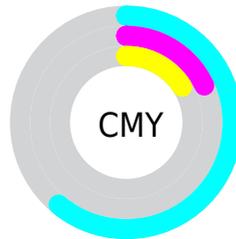
- Red (39%)
- Green (82%)
- Blue (84%)



- Red (39%)
- Yellow (61%)
- Blue (84%)



- Cyan (54%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)



- Cyan (61%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3298, 53.6009, 71.8387 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 40.3298, 53.6009, 71.8387 by changing the saturation by 10% instead.

40.3298, 53.6009,
71.8387

40.3298, 53.6009,
71.8387

338.6223,
400.5863, 485.9424

27.9811, 38.2827,
52.5409

74.9466, 95.4880,
123.5328

18.4518, 26.2022,
37.0512

97.9455, 122.8257,
156.7661

11.3765, 16.9749,
24.9510

125.2251,
154.9386, 195.4817

6.3898, 10.2166,
15.8219

157.1509,
192.2112, 240.0981

3.1264, 5.5428,
9.2452

194.0881,
235.0279, 291.0338

1.2210, 2.5691,
4.8025

236.4022,

0.1228, 0.9112,

283.7731, 348.7074

2.0751

284.4585,
338.8310, 413.5374

■ 0.0000, 0.0000,
0.6009

■ 0.0000, 0.0000,
0.0000

■ 40.3298, 53.6009,
71.8387

■ 40.3298, 53.6009,
71.8387

■ 38.1116, 52.1865,
71.6836

■ 43.1715, 55.3404,
72.0256

■ 36.4619, 51.0653,
71.5541

■ 46.6764, 57.4218,
72.2427

■ 35.3245, 50.2094,
71.4488

■ 50.8866, 59.8682,
72.4930

■ 34.6293, 49.5827,
71.3645

■ 55.8395, 62.6986,
72.7782

■ 34.3445, 49.2685,
71.3189

■ 61.5698, 65.9311,
73.1001

■ 68.1097, 69.5823,
73.4602

■ 75.4901, 73.6679,
73.8598

■ 77.9222, 75.2040,
74.0281

■ 78.1132, 75.5860,
74.0918

Harmonies

Analogous

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



39.7698, 53.6009, 53.0073



40.3298, 53.6009, 71.8387



43.6033, 53.6009, 90.1041

Triad

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



40.3298, 53.6009, 71.8387



61.0747, 53.6009, 83.4058



52.9006, 53.6009, 30.0956

Complementary

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



40.3298, 53.6009, 71.8387



34.8350, 24.8985, 14.7757

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.



59.0700, 53.6009, 35.1169



40.3298, 53.6009, 71.8387



64.0415, 53.6009, 64.0663

Square

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



40.3298, 53.6009, 71.8387



55.4567, 53.6009, 97.6916



63.2788, 53.6009, 46.6863



46.6868, 53.6009, 31.3227

Rectangle

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



40.3298, 53.6009, 71.8387



47.0463, 53.6009, 98.2510



63.2788, 53.6009, 46.6863



55.0556, 53.6009, 31.0619

Sweetspot

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



40.3314, 53.6030, 71.8400



81.1491, 92.1646, 108.1203



31.6332, 51.7228, 21.1058



17.0338, 19.5357, 23.1229



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.



40.3314, 53.6030, 71.8400



56.4203, 77.4382, 106.5812



28.6213, 30.1828, 67.9366



12.7535, 14.0303, 15.9735



20.7753, 29.8124, 43.1126



1.2649, 1.8218, 2.6043

Inverse Universe

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



43.8276, 27.8744, 64.0453



62.1997, 35.7396, 93.5096



42.6136, 40.4558, 17.3686



12.9335, 12.6249, 15.5901



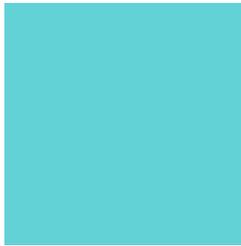
23.5453, 11.3544, 36.5051



1.4261, 0.6872, 2.2333

Previews

White Background



This preview shows how the XYZ color 40.3298, 53.6009, 71.8387 looks on a white background.

Color Contrast Check

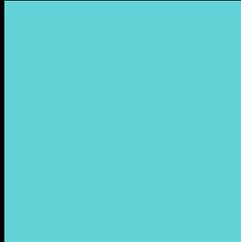
Large Text (above 18pt) WCAG AA × Fail

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 40.3298, 53.6009, 71.8387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

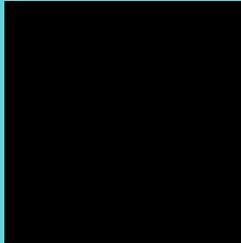
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

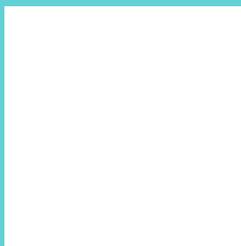
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3298, 53.6009, 71.8387

Background



This preview shows how black text looks on a background with the XYZ color 40.3298, 53.6009, 71.8387.



This preview shows how white text looks on a background with the XYZ color 40.3298, 53.6009,

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

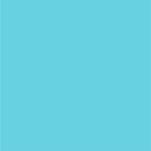
40.3298, 53.6009, 71.8387

Protanopia

51.2838, 52.8633, 63.3778

Deuteranopia

53.8452, 52.6609, 74.3445



Tritanopia

41.7400, 53.4316, 79.3476

Trichromacy



Original Color

40.3298, 53.6009, 71.8387

Protanomaly

45.6327, 52.2153, 66.0660

Deuteranomaly

46.9398, 51.7213, 73.1549

Tritanomaly

41.3311, 53.6462, 76.5830

Monochromacy



Original Color

40.3298, 53.6009, 71.8387

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.8863, 46.5025, 55.5888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3298, 53.6009, 71.8387 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(99, 210, 214)` looks like.

```
.text, #text, p{  
    color:rgb(99, 210, 214)  
}
```

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(99, 210, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 210, 214) }
```

Border

The CSS property to change the border of an element to XYZ 40.3298, 53.6009, 71.8387 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(99, 210, 214) }
```

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

```
.border{ border-color:rgb(99, 210, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 210, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 210, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 210, 214);  
box-shadow:4px 4px 4px 4px rgb(99, 210,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3298, 53.6009, 71.8387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 210, 214) }
```

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

```
.background{ background-color: rgb(99, 210,  
214) }
```

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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