

Converting Colors

XYZ(40.7303, 50.6700, 99.7290)

Have a look what the booklet for
XYZ(40.7303, 50.6700, 99.7290)
contains.

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Color

**XYZ(40.7303, 50.6700,
99.7290)**

Conversions

Conversions Part 1

Format	Color
Hex	3BCBFC
RGB	59, 203, 252
RGB Percent	23%, 80%, 99%
CMY	0.7686, 0.2039, 0.0118
CMYK	0.77, 0.19, 0.00, 0.01
HSL	195°, 97%, 61%
HSV	195°, 77%, 99%
XYZ	40.7303, 50.6700, 99.7290
YIQ	165.5300, -101.5530, -15.2890

Conversions

Conversions Part 2

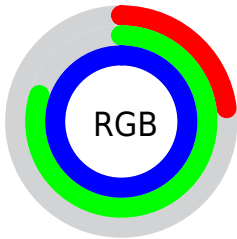
Format	Color
R _Y B	59, 141, 252
Decimal	3918844
CIE Lab	76.48, -21.65, -34.78
CIE LCh	76, 40.974, 238.097
Yxy	50.6700, 0.2131, 0.2651
Android (android.graphics.Color)	4282108924 (0xFF3BCBFC)
YUV	165.5300, 42.6297, -93.4268
Hunter-Lab	71.1829, -22.4337, -33.2388

Details

The XYZ color **40.7303, 50.6700, 99.7290** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.2992, 31.7398, 7.8260**, and the grayscale version is **35.8580, 37.7254, 41.0830**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **20.5978, 25.4350, 55.4536** is the 20% darker color. If you saturate the color by 10%, you get **38.1011, 47.1184, 99.1831**, and if you desaturate by 10%, it is **44.1454, 54.7211, 100.3319**.

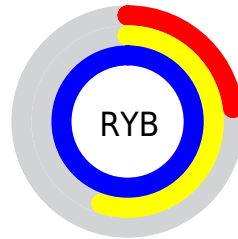
Distribution



Red (23%)

Green (80%)

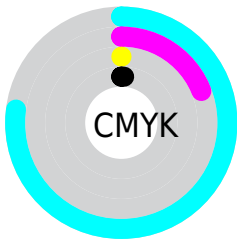
Blue (99%)



Red (23%)

Yellow (55%)

Blue (99%)

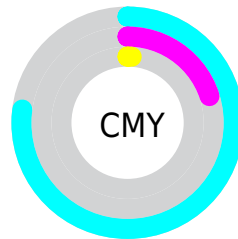


Cyan (77%)

Magenta (19%)

Yellow (0%)

Black (1%)



Cyan (77%)

Magenta (20%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7303, 50.6700, 99.7290 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 40.7303, 50.6700, 99.7290 by changing the saturation by 10% instead.

40.7303, 50.6700,
99.7290

40.7303, 50.6700,
99.7290

340.2740,
389.2803, 580.5627

28.2951, 35.9460,
75.4586

75.5516, 91.1668,
162.8333

18.6899, 24.3925,
55.4847

98.6685, 117.7084,
202.5044

11.5491, 15.6251,
39.3887

126.0766,
148.9581, 248.1460

6.5074, 9.2592,
26.7521

158.1414,
185.3001, 300.1769

3.1996, 4.9107,
17.1563

195.2282,
227.1190, 359.0154

1.2602, 2.1949,
10.1829

237.7023,

0.1531, 0.7172,

274.7990, 425.0802

5.4132

285.9291,
328.7247, 498.7898

■ 0.0000, 0.0000,
2.4287

■ 0.0000, 0.0000,
0.8020

■ 40.7303, 50.6700,
99.7290

■ 40.7303, 50.6700,
99.7290

■ 38.1011, 47.1184,
99.1831

■ 44.1454, 54.7211,
100.3319

■ 36.1369, 44.0002,
98.6847

■ 48.4333, 59.3149,
100.9926

■ 35.5581, 43.0028,
98.5227

■ 53.6747, 64.4950,
101.7162

■ 59.9390, 70.2982,
102.5062

■ 67.2891, 76.7579,
103.3657

■ 75.7825, 83.9049,
104.2975

■ 85.4726, 91.7676,
105.3044

■ 94.3126, 99.2918,
106.2909

■ 94.5709, 99.8083,
106.3769

Harmonies

Analogous

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



36.2113, 50.6700, 77.7245



40.7303, 50.6700, 99.7290



47.6688, 50.6700, 109.5329

Triad

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



40.7303, 50.6700, 99.7290



64.5805, 50.6700, 56.5956



41.4991, 50.6700, 25.5134

Complementary

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



40.7303, 50.6700, 99.7290



46.2992, 31.7398, 7.8260

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.



48.6552, 50.6700, 22.6448



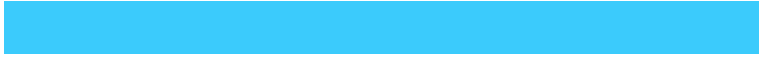
40.7303, 50.6700, 99.7290



62.4852, 50.6700, 37.4661

Square

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



40.7303, 50.6700, 99.7290



61.9004, 50.6700, 80.8399



56.4431, 50.6700, 26.3675



36.6207, 50.6700, 35.6075

Rectangle

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



40.7303, 50.6700, 99.7290



52.9223, 50.6700, 106.2792



56.4431, 50.6700, 26.3675



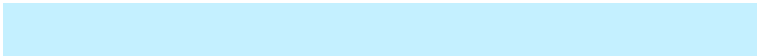
43.6929, 50.6700, 23.8134

Sweetspot

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



40.7320, 50.6718, 99.7303



72.0983, 81.3871, 106.5170



39.2830, 71.6189, 25.7358



14.7870, 16.8702, 22.7269



0.0000, 0.0000, 0.0000



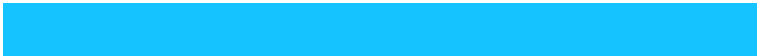
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7320, 50.6718, 99.7303



37.9596, 46.5987, 101.6015



24.6605, 18.5288, 94.3731



17.3709, 18.8186, 22.1021



18.6466, 22.6488, 51.3624



1.8115, 2.2667, 4.7852

Inverse Universe

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



52.4899, 28.1372, 59.1661



51.3969, 25.7344, 54.1467



62.4698, 64.0809, 13.2162



17.7937, 17.4449, 20.7695



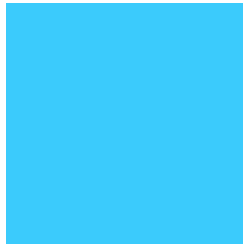
25.7040, 12.6973, 26.2133



2.4233, 1.1931, 2.6525

Previews

White Background



This preview shows how the XYZ color 40.7303, 50.6700, 99.7290 looks on a white background.

Color Contrast Check

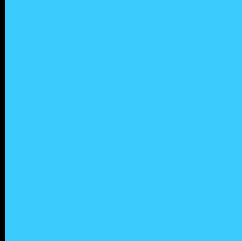
Large Text (above 18pt) WCAG AA × Fail

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 40.7303, 50.6700, 99.7290 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

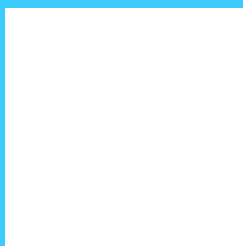
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7303, 50.6700, 99.7290

Background



This preview shows how black text looks on a background with the XYZ color 40.7303, 50.6700, 99.7290.

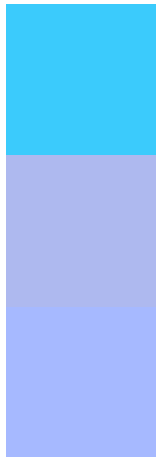


This preview shows how white text looks on a background with the XYZ color 40.7303, 50.6700,

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

40.7303, 50.6700, 99.7290

Protanopia

50.3845, 49.9286, 88.6430

Deuteranopia

51.1248, 50.0249, 101.5689



Tritanopia

36.6532, 50.8092, 79.1095

Trichromacy



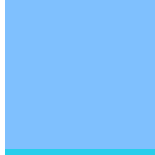
Original Color

40.7303, 50.6700, 99.7290



Protanomaly

44.6945, 49.1365, 92.7166



Deuteranomaly

45.4914, 49.3671, 100.8971



Tritanomaly

37.9418, 50.5919, 86.3627

Monochromacy



Original Color

40.7303, 50.6700, 99.7290



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.9505, 40.7834, 58.8532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7303, 50.6700, 99.7290 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(59, 203, 252)` looks like.

```
.text, #text, p{  
    color:rgb(59, 203, 252)  
}
```

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(59, 203, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 203, 252) }
```

Border

The CSS property to change the border of an element to XYZ 40.7303, 50.6700, 99.7290 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(59, 203, 252) }
```


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

```
.border{ border-color:rgb(59, 203, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 203, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 203, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 203, 252);  
box-shadow:4px 4px 4px 4px rgb(59, 203,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7303, 50.6700, 99.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 203, 252) }
```

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

```
.background{ background-color: rgb(59, 203,  
252) }
```

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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