

Converting Colors

XYZ(33.8663, 41.6980, 72.3972)

Have a look what the booklet for
XYZ(33.8663, 41.6980, 72.3972)
contains.

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Color

**XYZ(33.9343, 41.7861,
72.6067)**

Conversions

Conversions Part 1

Format	Color
Hex	57B9DA
RGB	87, 185, 218
RGB Percent	34%, 73%, 85%
CMY	0.6588, 0.2745, 0.1451
CMYK	0.60, 0.15, 0.00, 0.15
HSL	195°, 64%, 60%
HSV	195°, 60%, 85%
XYZ	33.9343, 41.7861, 72.6067
YIQ	159.4600, -69.0010, -10.5130

Conversions

Conversions Part 2

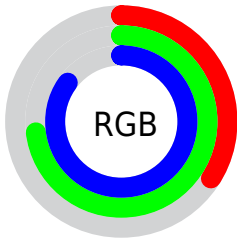
Format	Color
R_{YB}	87, 143, 218
Decimal	5749210
CIE _{Lab}	70.72, -19.10, -25.21
CIE _{LCh}	71, 31.626, 232.849
Yxy	41.7861, 0.2288, 0.2817
Android (android.graphics.Color)	4283939290 (0xFF57B9DA)
YUV	159.4600, 28.8602, -63.5474
Hunter-Lab	64.6422, -19.4191, -21.3456

Details

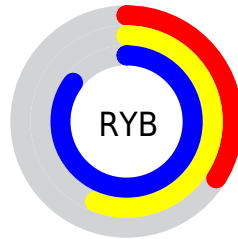
The XYZ color **33.9343, 41.7861, 72.6067** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **37.3514, 29.0279, 12.6525**, and the grayscale version is **33.0611, 34.7829, 37.8786**.

A 20% lighter version of the original color is **61.5379, 76.3336, 106.0982**, and **14.8621, 19.1469, 37.5627** is the 20% darker color. If you saturate the color by 10%, you get **31.0714, 38.6384, 72.1508**, and if you desaturate by 10%, it is **37.4587, 45.3424, 73.1082**.

Distribution



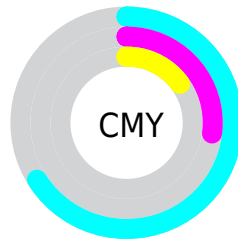
- Red (34%)
- Green (73%)
- Blue (85%)



- Red (34%)
- Yellow (56%)
- Blue (85%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (66%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9343, 41.7861, 72.6067 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 33.9343, 41.7861, 72.6067 by changing the saturation by 10% instead.

33.9343, 41.7861,
72.6067

33.9343, 41.7861,
72.6067

311.4301,
353.5955, 488.6847

23.0058, 28.9338,
53.1646

65.1765, 77.8758,
124.6344

14.7185, 19.0308,
37.5455

86.2208, 101.8820,
158.0571

8.7071, 11.6925,
25.3311

111.3678,
130.3750, 196.9771

4.6062, 6.5347,
16.1026

140.9828,
163.7392, 241.8128

2.0505, 3.1728,
9.4417

175.4312,
202.3589, 292.9830

0.6621, 1.2226,
4.9296

215.0783,

0.0000, 0.0801,

246.6186, 350.9059

2.1480

260.2895,
296.9027, 416.0004

■ 0.0000, 0.0000,
0.6441

■ 0.0000, 0.0000,
0.0000

■ 33.9343, 41.7861,
72.6067

■ 33.9343, 41.7861,
72.6067

■ 31.0714, 38.6384,
72.1508

■ 37.4587, 45.3424,
73.1082

■ 28.8083, 35.8641,
71.7346

■ 41.6911, 49.3295,
73.6547

■ 27.0776, 33.4288,
71.3557

■ 46.6784, 53.7730,
74.2495

■ 25.7674, 31.2867,
71.0113

■ 52.4621, 58.6952,
74.8947

■ 59.0806, 64.1164,
75.5923

■ 66.5699, 70.0558,
76.3440

■ 74.9635, 76.5315,
77.1515

■ 81.8965, 82.3250,
77.9044

■ 83.4396, 85.4111,
78.4187

Harmonies

Analogous

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



31.1322, 41.7861, 57.6547



33.9343, 41.7861, 72.6067



38.4748, 41.7861, 80.5765

Triad

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



33.9343, 41.7861, 72.6067



50.5820, 41.7861, 49.1872



35.9292, 41.7861, 23.7418

Complementary

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



33.9343, 41.7861, 72.6067



37.3514, 29.0279, 12.6525

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.



40.9845, 41.7861, 22.4433



33.9343, 41.7861, 72.6067



49.7493, 41.7861, 35.1828

Square

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



33.9343, 41.7861, 72.6067



48.3053, 41.7861, 65.2552



46.1207, 41.7861, 26.1481



32.2112, 41.7861, 30.1950

Rectangle

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



33.9343, 41.7861, 72.6067



42.0007, 41.7861, 79.8491



46.1207, 41.7861, 26.1481



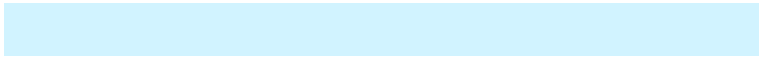
37.5165, 41.7861, 22.7559

Sweetspot

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



33.9357, 41.7876, 72.6077



76.5545, 85.1533, 107.0091



32.3781, 53.5201, 26.3154



15.8271, 17.7610, 22.8440



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.



33.9357, 41.7876, 72.6077



43.4171, 54.0531, 102.7527



23.2732, 20.4627, 69.0536



13.1527, 14.2451, 16.7085



15.5270, 18.9234, 42.5726



1.0729, 1.3599, 2.7804

Inverse Universe

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



41.0798, 25.2259, 48.6044



54.9964, 30.4086, 63.1302



48.0362, 50.3975, 16.2141



13.4669, 13.2159, 15.7201



21.3326, 10.5341, 21.9294



1.4158, 0.6960, 1.5987

Previews

White Background



This preview shows how the XYZ color 33.9343, 41.7861, 72.6067 looks on a white background.

Color Contrast Check

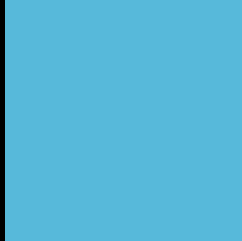
Large Text (above 18pt) WCAG AA × Fail

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 33.9343, 41.7861, 72.6067 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

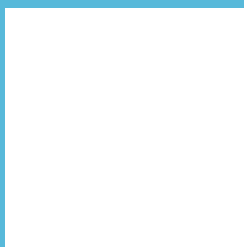
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9343, 41.7861, 72.6067

Background



This preview shows how black text looks on a background with the XYZ color 33.9343, 41.7861, 72.6067.

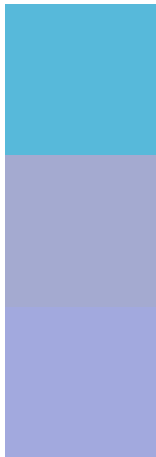


This preview shows how white text looks on a background with the XYZ color 33.9343, 41.7861,

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

33.9343, 41.7861, 72.6067

Protanopia

41.0697, 41.1960, 65.4615

Deuteranopia

42.2731, 41.3312, 74.8569



Tritanopia

32.0710, 41.9837, 62.9133

Trichromacy



Original Color

33.9343, 41.7861, 72.6067

Protanomaly

37.3670, 40.6477, 68.1637

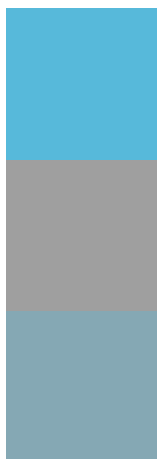
Deuteranomaly

38.3728, 41.0313, 74.3040

Tritanomaly

32.7228, 41.9337, 66.0439

Monochromacy



Original Color

33.9343, 41.7861, 72.6067

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9137, 36.2871, 48.5021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9343, 41.7861, 72.6067 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(87, 185, 218)` looks like.

```
.text, #text, p{  
    color:rgb(87, 185, 218)  
}
```

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(87, 185, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 185, 218) }
```

Border

The CSS property to change the border of an element to XYZ 33.9343, 41.7861, 72.6067 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(87, 185, 218) }
```


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

```
.border{ border-color:rgb(87, 185, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 185, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 185, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 185, 218);  
box-shadow:4px 4px 4px 4px rgb(87, 185,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9343, 41.7861, 72.6067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 185, 218) }
```

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

```
.background{ background-color: rgb(87, 185,  
218) }
```

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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