

Converting Colors

XYZ(36.6831, 43.2332, 71.3772)

Have a look what the booklet for
XYZ(36.6831, 43.2332, 71.3772)
contains.

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Color

**XYZ(36.6831, 43.2332,
71.3772)**

Conversions

Conversions Part 1

Format	Color
Hex	72B9D8
RGB	114, 185, 216
RGB Percent	45%, 73%, 85%
CMY	0.5529, 0.2745, 0.1529
CMYK	0.47, 0.14, 0.00, 0.15
HSL	198°, 57%, 65%
HSV	198°, 47%, 85%
XYZ	36.6831, 43.2332, 71.3772
YIQ	167.3050, -52.2670, -5.4110

Conversions

Conversions Part 2

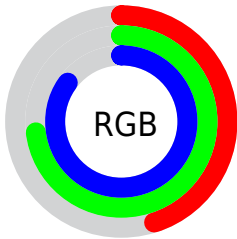
Format	Color
RYB	114, 156, 216
Decimal	7518680
CIELab	71.71, -14.04, -22.51
CIELCh	72, 26.527, 238.054
Yxy	43.2332, 0.2425, 0.2858
Android (android.graphics.Color)	4285708760 (0xFF72B9D8)
YUV	167.3050, 24.0066, -46.7485
Hunter-Lab	65.7520, -15.4806, -18.3360

Details

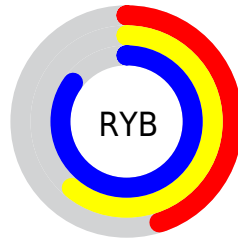
The XYZ color **36.6831, 43.2332, 71.3772** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.4827, 36.0659, 20.6961**, and the grayscale version is **36.7854, 38.7011, 42.1454**.

A 20% lighter version of the original color is **66.2999, 78.7885, 106.3211**, and **16.3152, 19.9165, 36.7026** is the 20% darker color. If you saturate the color by 10%, you get **32.8568, 39.2697, 70.8146**, and if you desaturate by 10%, it is **41.2390, 47.6688, 71.9940**.

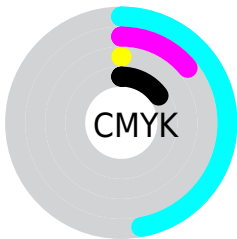
Distribution



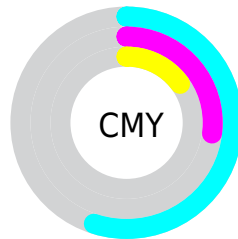
- Red (45%)
- Green (73%)
- Blue (85%)



- Red (45%)
- Yellow (61%)
- Blue (85%)



- Cyan (47%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (55%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6831, 43.2332, 71.3772 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 36.6831, 43.2332, 71.3772 by changing the saturation by 10% instead.

■ 36.6831, 43.2332,
71.3772

■ 36.6831, 43.2332,
71.3772

323.3159,
359.5699, 484.2901

■ 25.1348, 30.0681,
52.1664

■ 69.4021, 80.0626,
122.8701

■ 16.3068, 19.8903,
36.7545

■ 91.3035, 104.4958,
155.9893

■ 9.8337, 12.3153,
24.7232

■ 117.3867,
133.4538, 194.5816

■ 5.3503, 6.9588,
15.6538

148.0169,
167.3210, 239.0657

■ 2.4911, 3.4364,
9.1278

183.5596,
206.4818, 289.8601

■ 0.8907, 1.3636,
4.7267

224.3801,

■ 0.0000, 0.1896,

251.3207, 347.3832

2.0319

270.8437,
302.2219, 412.0537

■ 0.0000, 0.0000,
0.5748

■ 0.0000, 0.0000,
0.0000

■ 36.6831, 43.2332,
71.3772

■ 36.6831, 43.2332,
71.3772

■ 32.8568, 39.2697,
70.8146

■ 41.2390, 47.6688,
71.9940

■ 29.7076, 35.7472,
70.3007

■ 46.5638, 52.5953,
72.6643

■ 27.1823, 32.6379,
69.8336

■ 52.6991, 58.0362,
73.3911

■ 25.2172, 29.9078,
69.4102

■ 59.6819, 64.0117,
74.1765

■ 23.7274, 27.5116,
69.0262

■ 67.5470, 70.5410,
75.0222

■ 23.3579, 26.8841,
68.9246

■ 76.3271, 77.6421,
75.9301

■ 82.1982, 83.3447,
76.7214

■ 84.0697, 87.0878,
77.3452

■ 86.0109, 90.9701,
77.9923

Harmonies

Analogous

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



33.9216, 43.2332, 59.7113



36.6831, 43.2332, 71.3772



40.7989, 43.2332, 76.4244

Triad

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



36.6831, 43.2332, 71.3772



50.3567, 43.2332, 47.9197



37.1567, 43.2332, 28.4222

Complementary

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



36.6831, 43.2332, 71.3772



41.4827, 36.0659, 20.6961

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.



41.3862, 43.2332, 26.4030



36.6831, 43.2332, 71.3772



49.2074, 43.2332, 36.3581

Square

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



36.6831, 43.2332, 71.3772



48.8770, 43.2332, 61.4346



45.8404, 43.2332, 29.0273



34.1807, 43.2332, 35.1455

Rectangle

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



36.6831, 43.2332, 71.3772



43.8312, 43.2332, 74.7714



45.8404, 43.2332, 29.0273



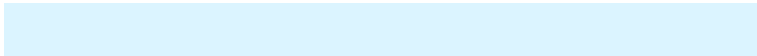
38.4691, 43.2332, 27.2313

Sweetspot

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



36.6845, 43.2348, 71.3782



79.7497, 87.1185, 107.2200



36.5766, 54.7222, 35.2628



16.6133, 18.2524, 22.8974



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.



36.6845, 43.2348, 71.3782



47.6880, 57.0147, 103.0993



27.9160, 25.6978, 68.4554



12.4589, 13.4411, 15.8753



13.9244, 16.1106, 40.8289



0.9112, 1.1144, 2.4864

Inverse Universe

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



43.0944, 30.1378, 49.4464



58.5143, 37.0309, 65.5773



51.0071, 55.1146, 23.8709



12.7848, 12.5654, 14.8070



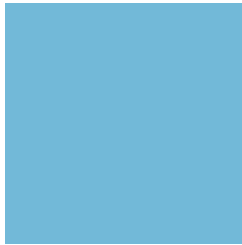
20.0873, 9.9712, 18.2954



1.2476, 0.6158, 1.2932

Previews

White Background



This preview shows how the XYZ color 36.6831, 43.2332, 71.3772 looks on a white background.

Color Contrast Check

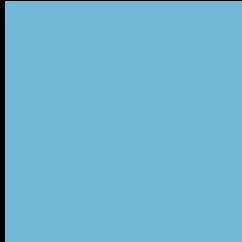
Large Text (above 18pt) WCAG AA × Fail

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 36.6831, 43.2332, 71.3772 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 36.6831, 43.2332, 71.3772

Background



This preview shows how black text looks on a background with the XYZ color 36.6831, 43.2332, 71.3772.



This preview shows how white text looks on a background with the XYZ color 36.6831, 43.2332,

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

36.6831, 43.2332, 71.3772

Protanopia

42.4772, 42.7660, 65.6904

Deuteranopia

43.7113, 42.6753, 72.9512



Tritanopia

34.8614, 43.1199, 62.3627

Trichromacy



Original Color

36.6831, 43.2332, 71.3772

Protanomaly

39.6928, 42.4433, 67.7284

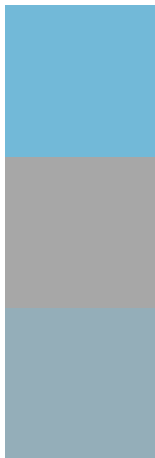
Deuteranomaly

40.5746, 42.5022, 72.3949

Tritanomaly

35.3769, 43.0023, 65.4672

Monochromacy



Original Color

36.6831, 43.2332, 71.3772

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.1058, 40.0708, 51.7304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6831, 43.2332, 71.3772 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(114, 185, 216)` looks like.

```
.text, #text, p{  
    color:rgb(114, 185, 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(114, 185, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 185, 216) }
```

Border

The CSS property to change the border of an element to XYZ 36.6831, 43.2332, 71.3772 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(114, 185, 216) }
```


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

```
.border{ border-color:rgb(114, 185, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 185, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 185, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 185, 216);  
box-shadow:4px 4px 4px 4px rgb(114, 185,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6831, 43.2332, 71.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 185, 216) }
```

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

```
.background{ background-color: rgb(114,  
185, 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](#).

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