

Converting Colors

XYZ(36.7432, 43.1869, 74.3594)

Have a look what the booklet for
XYZ(36.7432, 43.1869, 74.3594)
contains.

XYZ(36.6976, 43.1802, 74.1106)	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(36.6976, 43.1802,
74.1106)**

Conversions

Conversions Part 1

Format	Color
Hex	6EB9DC
RGB	110, 185, 220
RGB Percent	43%, 73%, 86%
CMY	0.5686, 0.2745, 0.1373
CMYK	0.50, 0.16, 0.00, 0.14
HSL	199°, 61%, 65%
HSV	199°, 50%, 86%
XYZ	36.6976, 43.1802, 74.1106
YIQ	166.5650, -55.9350, -5.0150

Conversions

Conversions Part 2

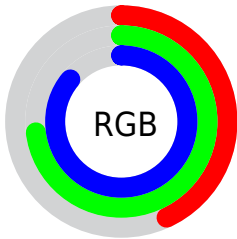
Format	Color
RYB	110, 155, 220
Decimal	7256540
CIELab	71.68, -13.83, -24.76
CIELCh	72, 28.363, 240.809
Yxy	43.1802, 0.2383, 0.2804
Android (android.graphics.Color)	4285446620 (0xFF6EB9DC)
YUV	166.5650, 26.3435, -49.6075
Hunter-Lab	65.7116, -15.3095, -20.8700

Details

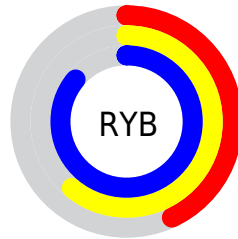
The XYZ color **36.6976, 43.1802, 74.1106** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.4561, 36.5934, 19.5788**, and the grayscale version is **36.4160, 38.3124, 41.7223**.

A 20% lighter version of the original color is **65.4416, 78.3461, 106.2809**, and **16.3582, 19.8973, 38.5757** is the 20% darker color. If you saturate the color by 10%, you get **32.8644, 39.0843, 73.5228**, and if you desaturate by 10%, it is **41.2852, 47.7738, 74.7563**.

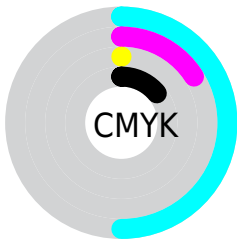
Distribution



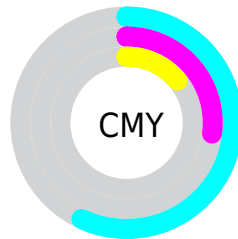
- Red (43%)
- Green (73%)
- Blue (86%)



- Red (43%)
- Yellow (61%)
- Blue (86%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)



- Cyan (57%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6976, 43.1802, 74.1106 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 36.6976, 43.1802, 74.1106 by changing the saturation by 10% instead.

■ 36.6976, 43.1802,
74.1106

■ 36.6976, 43.1802,
74.1106

323.3778,
359.3523, 494.0286

■ 25.1460, 30.0265,
54.3872

■ 69.4243, 79.9827,
126.7881

■ 16.3152, 19.8587,
38.5161

■ 91.3302, 104.4004,
160.5792

■ 9.8397, 12.2924,
26.0785

■ 117.4182,
133.3414, 199.8968

■ 5.3543, 6.9431,
16.6561

148.0537,
167.1904, 245.1592

■ 2.4935, 3.4266,
9.8302

183.6020,
206.3315, 296.7851

■ 0.8920, 1.3583,
5.1824

224.4286,

■ 0.0000, 0.1857,

251.1493, 355.1929

2.2941

270.8987,
302.0281, 420.8012

■ 0.0000, 0.0000,
0.7279

■ 0.0000, 0.0000,
0.0000

■ 36.6976, 43.1802,
74.1106

■ 36.6976, 43.1802,
74.1106

■ 32.8644, 39.0843,
73.5228

■ 41.2852, 47.7738,
74.7563

■ 29.7290, 35.4528,
72.9871

■ 46.6699, 52.8860,
75.4592

■ 27.2333, 32.2550,
72.5014

■ 52.8960, 58.5420,
76.2228

■ 25.3069, 29.4530,
72.0621

■ 60.0034, 64.7636,
77.0491

■ 23.8254, 26.9812,
71.6631

■ 68.0291, 71.5716,
77.9401

■ 23.8251, 26.9807,
71.6630

■ 77.0080, 78.9851,
78.8978

■ 83.5819, 85.2743,
79.7653

■ 85.6144, 89.3393,
80.4428

■ 87.7265, 93.5635,
81.1468

Harmonies

Analogous

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



33.6055, 43.1802, 61.9150



36.6976, 43.1802, 74.1106



41.1722, 43.1802, 78.7529

Triad

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



36.6976, 43.1802, 74.1106



50.9920, 43.1802, 46.6431



36.4882, 43.1802, 27.7522

Complementary

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



36.6976, 43.1802, 74.1106



42.4561, 36.5934, 19.5788

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.



40.9111, 43.1802, 25.2080



36.6976, 43.1802, 74.1106



49.5007, 43.1802, 34.7220

Square

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



36.6976, 43.1802, 74.1106



49.6487, 43.1802, 61.1403



45.7153, 43.1802, 27.4900



33.4914, 43.1802, 35.2538

Rectangle

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



36.6976, 43.1802, 74.1106



44.4126, 43.1802, 76.3467



45.7153, 43.1802, 27.4900



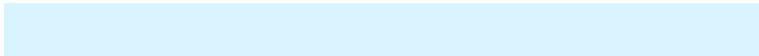
37.8454, 43.1802, 26.3628

Sweetspot

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



36.6990, 43.1818, 74.1116



78.5907, 85.9328, 107.0523



37.1228, 56.5416, 35.6793



16.3767, 18.0020, 22.8615



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.



36.6990, 43.1818, 74.1116



45.6777, 54.3412, 102.6892



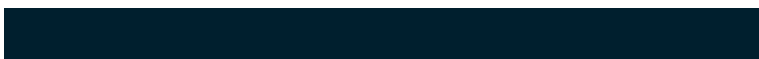
27.3548, 24.4934, 70.9969



13.0774, 14.0944, 16.6834



14.0869, 16.0433, 42.0926



0.9889, 1.1920, 2.7524

Inverse Universe

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



43.8493, 29.8716, 49.3552



57.1708, 35.2345, 62.3836



52.9464, 57.5740, 23.0755



13.4289, 13.2007, 15.5199



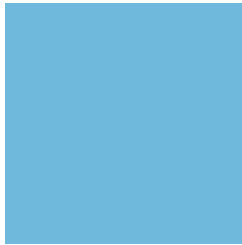
20.6058, 10.2433, 18.1019



1.3735, 0.6790, 1.3755

Previews

White Background



This preview shows how the XYZ color 36.6976, 43.1802, 74.1106 looks on a white background.

Color Contrast Check

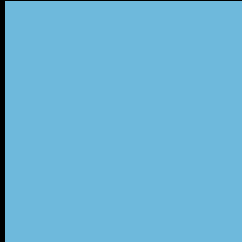
Large Text (above 18pt) WCAG AA × Fail

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 36.6976, 43.1802, 74.1106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

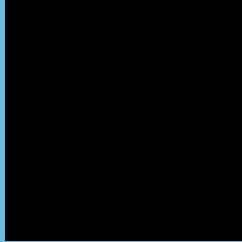
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6976, 43.1802, 74.1106

Background



This preview shows how black text looks on a background with the XYZ color 36.6976, 43.1802, 74.1106.

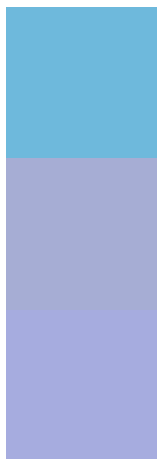


This preview shows how white text looks on a background with the XYZ color 36.6976, 43.1802,

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

36.6976, 43.1802, 74.1106

Protanopia

42.5531, 42.7476, 68.2957

Deuteranopia

43.7977, 42.9398, 75.7919



Tritanopia

34.4716, 43.2213, 63.0256

Trichromacy



Original Color

36.6976, 43.1802, 74.1106

Protanomaly

39.8419, 42.4616, 70.3860

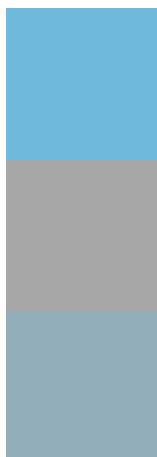
Deuteranomaly

40.7610, 42.8292, 75.2258

Tritanomaly

35.2228, 43.2083, 66.8052

Monochromacy



Original Color

36.6976, 43.1802, 74.1106

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.8530, 39.9283, 52.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6976, 43.1802, 74.1106 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(110, 185, 220)` looks like.

```
.text, #text, p{  
    color:rgb(110, 185, 220)  
}
```

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(110, 185, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 185, 220) }
```

Border

The CSS property to change the border of an element to XYZ 36.6976, 43.1802, 74.1106 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(110, 185, 220) }
```


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

```
.border{ border-color:rgb(110, 185, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 185, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 185, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 185, 220); box-shadow:4px 4px 4px 4px rgb(110, 185, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6976, 43.1802, 74.1106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 185, 220) }
```

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

```
.background{ background-color: rgb(110,  
185, 220) }
```

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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