

Converting Colors

XYZ(37.0005, 44.0537, 74.6013)

Have a look what the booklet for
XYZ(37.0005, 44.0537, 74.6013)
contains.

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Color

**XYZ(36.8729, 43.8961,
74.2395)**

Conversions

Conversions Part 1

Format	Color
Hex	6CBBDC
RGB	108, 187, 220
RGB Percent	42%, 73%, 86%
CMY	0.5765, 0.2667, 0.1373
CMYK	0.51, 0.15, 0.00, 0.14
HSL	198°, 62%, 64%
HSV	198°, 51%, 86%
XYZ	36.8729, 43.8961, 74.2395
YIQ	167.1410, -57.6770, -6.4850

Conversions

Conversions Part 2

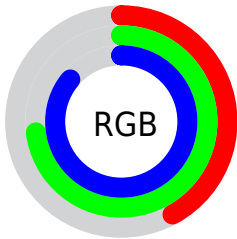
Format	Color
RYB	108, 154, 220
Decimal	7125980
CIELab	72.16, -15.33, -24.03
CIElCh	72, 28.506, 237.464
Yxy	43.8961, 0.2379, 0.2832
Android (android.graphics.Color)	4285316060 (0xFF6CBBDC)
YUV	167.1410, 26.0595, -51.8667
Hunter-Lab	66.2541, -16.6028, -20.0581

Details

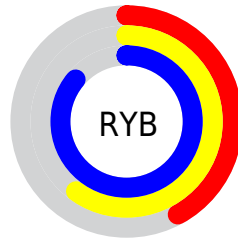
The XYZ color **36.8729, 43.8961, 74.2395** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.7479, 35.3493, 18.8115**, and the grayscale version is **36.6977, 38.6088, 42.0450**.

A 20% lighter version of the original color is **65.8265, 79.4282, 106.4695**, and **16.4433, 20.3476, 38.6581** is the 20% darker color. If you saturate the color by 10%, you get **33.1832, 39.9993, 73.6826**, and if you desaturate by 10%, it is **41.3025, 48.2683, 74.8508**.

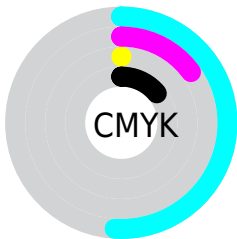
Distribution



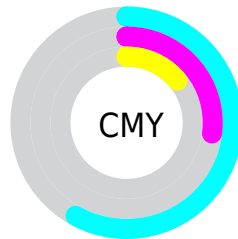
- Red (42%)
- Green (73%)
- Blue (86%)



- Red (42%)
- Yellow (60%)
- Blue (86%)



- Cyan (51%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (58%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8729, 43.8961, 74.2395 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 36.8729, 43.8961, 74.2395 by changing the saturation by 10% instead.

■ 36.8729, 43.8961,
74.2395

■ 36.8729, 43.8961,
74.2395

324.1250,
362.2841, 494.4850

■ 25.2823, 30.5888,
54.4921

■ 69.6924, 81.0614,
126.9724

■ 16.4174, 20.2860,
38.5994

■ 91.6520, 105.6882,
160.7951

■ 9.9127, 12.6031,
26.1428

■ 117.7986,
134.8569, 200.1465

■ 5.4029, 7.1558,
16.7038

148.4977,
168.9521, 245.4453

■ 2.5227, 3.5597,
9.8638

184.1145,
208.3580, 297.1100

■ 0.9067, 1.4305,
5.2043

225.0144,

■ 0.0000, 0.2390,

253.4590, 355.5592

2.3068

271.5628,
304.6396, 421.2114

■ 0.0000, 0.0000,
0.7350

■ 0.0000, 0.0000,
0.0000

■ 36.8729, 43.8961,
74.2395

■ 36.8729, 43.8961,
74.2395

■ 33.1832, 39.9993,
73.6826

■ 41.3025, 48.2683,
74.8508

■ 30.1767, 36.5447,
73.1743

■ 46.5149, 53.1366,
75.5157

■ 27.7944, 33.5017,
72.7125

■ 52.5547, 58.5258,
76.2376

■ 25.9650, 30.8321,
72.2936

■ 59.4617, 64.4577,
77.0185

■ 24.6699, 28.6703,
71.9446

■ 67.2729, 70.9525,
77.8605

■ 76.0233, 78.0293,
78.7652

■ 83.1213, 84.3532,
79.6117

■ 84.9837, 88.0779,
80.2325

■ 86.9141, 91.9388,
80.8760

Harmonies

Analogous

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



33.9327, 43.8961, 61.3010



36.8729, 43.8961, 74.2395



41.3078, 43.8961, 80.0081

Triad

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



36.8729, 43.8961, 74.2395



51.8229, 43.8961, 48.9952



37.5396, 43.8961, 27.6851

Complementary

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



36.8729, 43.8961, 74.2395



41.7479, 35.3493, 18.8115

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.



42.1388, 43.8961, 25.6496



36.8729, 43.8961, 74.2395



50.6202, 43.8961, 36.4352

Square

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



36.8729, 43.8961, 74.2395



50.1491, 43.8961, 63.7662



46.9785, 43.8961, 28.5202



34.2960, 43.8961, 34.7422

Rectangle

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



36.8729, 43.8961, 74.2395



44.6037, 43.8961, 78.3098



46.9785, 43.8961, 28.5202



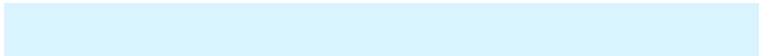
38.9670, 43.8961, 26.4591

Sweetspot

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



36.8743, 43.8977, 74.2405



78.8606, 86.4725, 107.1422



36.4927, 56.2611, 33.6456



16.4420, 18.1326, 22.8833



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.



36.8743, 43.8977, 74.2405



46.0869, 55.5822, 102.9071



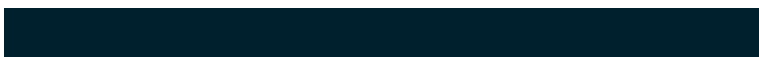
27.3914, 24.9319, 71.0796



13.1040, 14.1478, 16.6923



14.5793, 17.0280, 42.2567



1.0179, 1.2499, 2.7620

Inverse Universe

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



43.8486, 29.5300, 50.4042



57.2742, 34.8810, 64.1457



51.9028, 55.6592, 22.1964



13.4424, 13.2061, 15.5908



20.8543, 10.3428, 19.4105



1.3881, 0.6849, 1.4525

Previews

White Background



This preview shows how the XYZ color 36.8729, 43.8961, 74.2395 looks on a white background.

Color Contrast Check

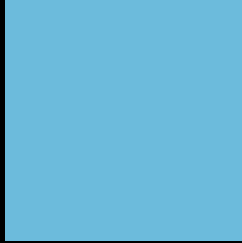
Large Text (above 18pt) WCAG AA × Fail

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 36.8729, 43.8961, 74.2395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

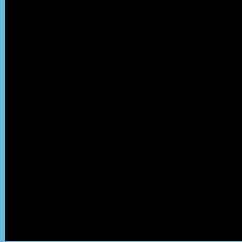
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8729, 43.8961, 74.2395

Background



This preview shows how black text looks on a background with the XYZ color 36.8729, 43.8961, 74.2395.



This preview shows how white text looks on a background with the XYZ color 36.8729, 43.8961,

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

36.8729, 43.8961, 74.2395

Protanopia

43.0424, 43.3001, 67.7172

Deuteranopia

44.6250, 43.6499, 75.8853



Tritanopia

35.0264, 44.1183, 64.4272

Trichromacy



Original Color

36.8729, 43.8961, 74.2395

Protanomaly

40.1118, 43.2062, 69.8438

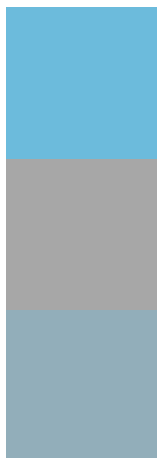
Deuteranomaly

41.1378, 43.3178, 75.3002

Tritanomaly

35.6562, 44.0516, 67.5963

Monochromacy



Original Color

36.8729, 43.8961, 74.2395

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 36.8729, 43.8961, 74.2395 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(108, 187, 220)` looks like.

```
.text, #text, p{  
    color:rgb(108, 187, 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(108, 187, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 187, 220) }
```

Border

The CSS property to change the border of an element to XYZ 36.8729, 43.8961, 74.2395 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(108, 187, 220) }
```


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

```
.border{ border-color:rgb(108, 187, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 187, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 187, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 187, 220);  
box-shadow:4px 4px 4px 4px rgb(108, 187,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8729, 43.8961, 74.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 187, 220) }
```

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

```
.background{ background-color: rgb(108,  
187, 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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