

Converting Colors

XYZ(36.9647, 43.3585, 76.9820)

Have a look what the booklet for
XYZ(36.9647, 43.3585, 76.9820)
contains.

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Color

**XYZ(36.8669, 43.2055,
76.9174)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB9E0
RGB	107, 185, 224
RGB Percent	42%, 73%, 88%
CMY	0.5804, 0.2745, 0.1216
CMYK	0.52, 0.17, 0.00, 0.12
HSL	200°, 65%, 65%
HSV	200°, 52%, 88%
XYZ	36.8669, 43.2055, 76.9174
YIQ	166.1240, -59.0070, -4.4070

Conversions

Conversions Part 2

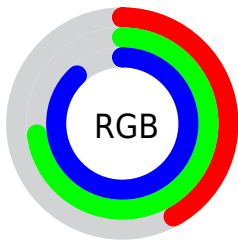
Format	Color
RYB	107, 154, 224
Decimal	7059936
CIELab	71.69, -13.35, -26.93
CIELCh	72, 30.052, 243.630
Yxy	43.2055, 0.2348, 0.2752
Android (android.graphics.Color)	4285250016 (0xFF6BB9E0)
YUV	166.1240, 28.5329, -51.8517
Hunter-Lab	65.7309, -14.9126, -23.3687

Details

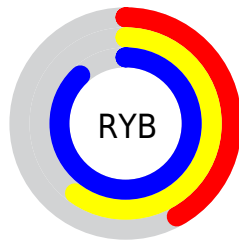
The XYZ color **36.8669, 43.2055, 76.9174** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.6744, 37.4681, 18.8416**, and the grayscale version is **36.1936, 38.0785, 41.4674**.

A 20% lighter version of the original color is **65.0223, 78.1299, 106.2613**, and **16.4514, 19.9026, 40.5106** is the 20% darker color. If you saturate the color by 10%, you get **32.9935, 38.9512, 76.3012**, and if you desaturate by 10%, it is **41.5226, 47.9866, 77.5957**.

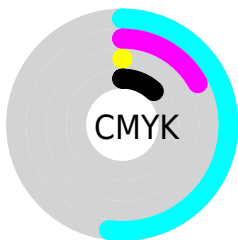
Distribution



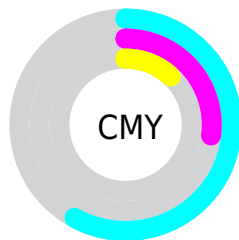
- Red (42%)
- Green (73%)
- Blue (88%)



- Red (42%)
- Yellow (60%)
- Blue (88%)



- Cyan (52%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (58%)
- Magenta (27%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8669, 43.2055, 76.9174 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 36.8669, 43.2055, 76.9174 by changing the saturation by 10% instead.

■ 36.8669, 43.2055,
76.9174

■ 36.8669, 43.2055,
76.9174

324.0995,
359.4562, 503.9125

■ 25.2777, 30.0464,
56.6739

■ 69.6832, 80.0209,
130.7948

■ 16.4139, 19.8738,
40.3359

■ 91.6409, 104.4459,
165.2659

■ 9.9102, 12.3033,
27.4848

■ 117.7856,
133.3951, 205.3165

■ 5.4013, 6.9506,
17.7020

148.4825,
167.2527, 251.3653

■ 2.5217, 3.4312,
10.5690

184.0969,
206.4033, 303.8307

■ 0.9062, 1.3608,
5.6673

224.9944,

■ 0.0000, 0.1876,

251.2311, 363.1314

2.5784

271.5401,
302.1206, 429.6858

■ 0.0000, 0.0000,
0.8813

■ 0.0000, 0.0000,
0.0000

■ 36.8669, 43.2055,
76.9174

■ 36.8669, 43.2055,
76.9174

■ 32.9935, 38.9512,
76.3012

■ 41.5226, 47.9866,
77.5957

■ 29.8419, 35.1881,
75.7410

■ 47.0068, 53.3175,
78.3356

■ 27.3490, 31.8826,
75.2343

■ 53.3667, 59.2253,
79.1407

■ 25.4372, 28.9928,
74.7773

■ 60.6448, 65.7335,
80.0133

■ 24.2551, 26.9827,
74.4516

■ 68.8806, 72.8642,
80.9556

■ 78.1111, 80.6382,
81.9696

■ 85.0570, 87.3664,
82.9022

■ 87.2673, 91.7872,
83.6390

■ 89.5688, 96.3902,
84.4062

Harmonies

Analogous

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



33.4381, 43.2055, 64.3522



36.8669, 43.2055, 76.9174



41.6889, 43.2055, 80.9591

Triad

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



36.8669, 43.2055, 76.9174



51.6368, 43.2055, 45.2895



35.8762, 43.2055, 27.3392

Complementary

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



36.8669, 43.2055, 76.9174



43.6744, 37.4681, 18.8416

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.



40.4485, 43.2055, 24.2343



36.8669, 43.2055, 76.9174



49.7727, 43.2055, 33.1551

Square

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



36.8669, 43.2055, 76.9174



50.4811, 43.2055, 60.6351



45.5714, 43.2055, 26.1208



32.9002, 43.2055, 35.6517

Rectangle

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



36.8669, 43.2055, 76.9174



45.1181, 43.2055, 77.7066



45.5714, 43.2055, 26.1208



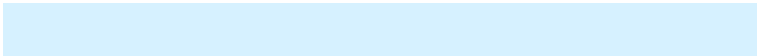
37.2632, 43.2055, 25.7398

Sweetspot

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



36.8683, 43.2071, 76.9184



77.4138, 84.6940, 106.8752



37.7582, 58.4533, 35.6998



16.1361, 17.7403, 22.8237



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.



36.8683, 43.2071, 76.9184



43.6938, 51.6017, 102.2650



27.2974, 24.0653, 73.7281



13.7116, 14.7623, 17.5144



14.2279, 15.9253, 43.3724



1.0675, 1.2664, 3.0334

Inverse Universe

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



44.7563, 29.8669, 49.3064



55.8696, 33.5661, 59.0707



54.6452, 59.4097, 22.4986



14.0906, 13.8539, 16.2475



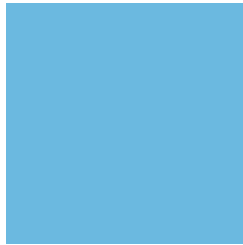
21.1218, 10.5157, 17.8388



1.5051, 0.7453, 1.4525

Previews

White Background



This preview shows how the XYZ color 36.8669, 43.2055, 76.9174 looks on a white background.

Color Contrast Check

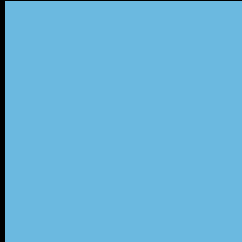
Large Text (above 18pt) WCAG AA × Fail

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 36.8669, 43.2055, 76.9174 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 36.8669, 43.2055, 76.9174

Background



This preview shows how black text looks on a background with the XYZ color 36.8669, 43.2055, 76.9174.



This preview shows how white text looks on a background with the XYZ color 36.8669, 43.2055,

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

36.8669, 43.2055, 76.9174

Protanopia

42.7264, 42.7928, 70.2979

Deuteranopia

43.9275, 42.9436, 78.6468



Tritanopia

34.3522, 43.4642, 63.7056

Trichromacy



Original Color

36.8669, 43.2055, 76.9174

Protanomaly

39.8786, 42.4355, 72.4187

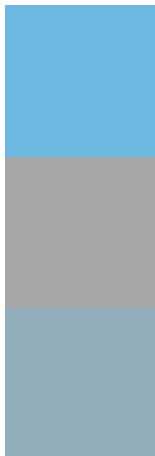
Deuteranomaly

40.7773, 42.7749, 78.0587

Tritanomaly

35.3346, 43.5532, 68.1723

Monochromacy



Original Color

36.8669, 43.2055, 76.9174

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.5903, 39.4947, 52.7611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8669, 43.2055, 76.9174 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(107, 185, 224)` looks like.

```
.text, #text, p{  
    color:rgb(107, 185, 224)  
}
```

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(107, 185, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 185, 224) }
```

Border

The CSS property to change the border of an element to XYZ 36.8669, 43.2055, 76.9174 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(107, 185, 224) }
```


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

```
.border{ border-color:rgb(107, 185, 224) }
```

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

Here you see how a box with a 4 pixel rgb(107, 185, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 185, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 185, 224);  
box-shadow:4px 4px 4px 4px rgb(107, 185,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8669, 43.2055, 76.9174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 185, 224) }
```

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

```
.background{ background-color: rgb(107,  
185, 224) }
```

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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