

Converting Colors

XYZ(37.7023, 42.4748, 68.8094)

Have a look what the booklet for
XYZ(37.7023, 42.4748, 68.8094)
contains.

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Color

**XYZ(37.7676, 42.6265,
68.5245)**

Conversions

Conversions Part 1

Format	Color
Hex	83B5D4
RGB	131, 181, 212
RGB Percent	51%, 71%, 83%
CMY	0.4863, 0.2902, 0.1686
CMYK	0.38, 0.15, 0.00, 0.17
HSL	203°, 49%, 67%
HSV	203°, 38%, 83%
XYZ	37.7676, 42.6265, 68.5245
YIQ	169.5840, -39.7510, -0.9590

Conversions

Conversions Part 2

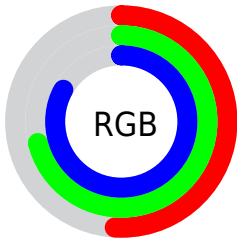
Format	Color
RYB	131, 162, 212
Decimal	8631764
CIELab	71.30, -8.71, -20.87
CIELCh	71, 22.617, 247.360
Yxy	42.6265, 0.2536, 0.2862
Android (android.graphics.Color)	4286821844 (0xFF83B5D4)
YUV	169.5840, 20.9111, -33.8382
Hunter-Lab	65.2890, -10.9991, -16.5260

Details

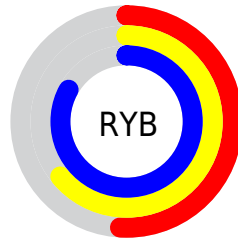
The XYZ color **37.7676, 42.6265, 68.5245** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.1692, 41.4772, 27.1519**, and the grayscale version is **37.9162, 39.8908, 43.4410**.

A 20% lighter version of the original color is **68.5839, 78.2275, 106.0924**, and **16.8655, 19.4504, 34.7637** is the 20% darker color. If you saturate the color by 10%, you get **33.2122, 37.9009, 67.8532**, and if you desaturate by 10%, it is **43.0935, 47.8939, 69.2613**.

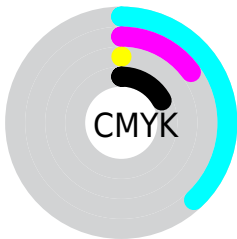
Distribution



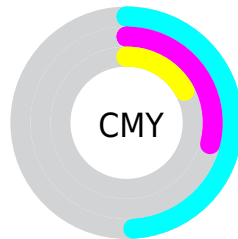
- Red (51%)
- Green (71%)
- Blue (83%)



- Red (51%)
- Yellow (64%)
- Blue (83%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)



- Cyan (49%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7676, 42.6265, 68.5245 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 37.7676, 42.6265, 68.5245 by changing the saturation by 10% instead.

■ 37.7676, 42.6265,
68.5245

■ 37.7676, 42.6265,
68.5245

327.9201,
357.0735, 474.0005

■ 25.9788, 29.5922,
49.8552

■ 71.0580, 79.1469,
118.7635

■ 16.9403, 19.5292,
34.9280

■ 93.2902, 103.4018,
151.1702

■ 10.2870, 12.0533,
23.3243

■ 119.7344,
132.1657, 188.9932

■ 5.6534, 6.7800,
14.6256

150.7557,
165.8229, 232.6510

■ 2.6741, 3.3249,
8.4134

186.7195,
204.7579, 282.5620

■ 0.9839, 1.3036,
4.2690

227.9913,

■ 0.0000, 0.1440,

249.3551, 339.1450

1.7741

274.9364,
299.9988, 402.8183

■ 0.0000, 0.0000,
0.4108

■ 0.0000, 0.0000,
0.0000

■ 37.7676, 42.6265,
68.5245

■ 37.7676, 42.6265,
68.5245

■ 33.2122, 37.9009,
67.8532

■ 43.0935, 47.8939,
69.2613

■ 29.3805, 33.6875,
67.2419

■ 49.2253, 53.7208,
70.0628

■ 26.2264, 29.9613,
66.6889

■ 56.2007, 60.1299,
70.9322

■ 23.6961, 26.6919,
66.1912

■ 64.0540, 67.1411,
71.8716

■ 21.7268, 23.8443,
65.7454

■ 72.8174, 74.7730,
72.8828

■ 20.2266, 21.3684,
65.3465

■ 81.3325, 82.4309,
73.9122

■ 19.9824, 20.9507,
65.2788

■ 83.6391, 87.0441,
74.6810

■ 86.0521, 91.8701,
75.4854

■ 88.5729, 96.9118,
76.3256

Harmonies

Analogous

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



34.9816, 42.6265, 60.3017



37.7676, 42.6265, 68.5245



41.4582, 42.6265, 70.4085

Triad

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



37.7676, 42.6265, 68.5245



48.2009, 42.6265, 43.7842



36.2419, 42.6265, 31.6903

Complementary

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



37.7676, 42.6265, 68.5245



44.1692, 41.4772, 27.1519

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.



39.5866, 42.6265, 28.6019



37.7676, 42.6265, 68.5245



46.6037, 42.6265, 34.8396

Square

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



37.7676, 42.6265, 68.5245



47.6386, 42.6265, 54.9417



43.3929, 42.6265, 29.6573



34.1399, 42.6265, 38.8160

Rectangle

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



37.7676, 42.6265, 68.5245



43.9662, 42.6265, 67.5848



43.3929, 42.6265, 29.6573



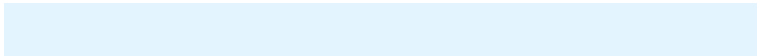
37.2497, 42.6265, 30.2008

Sweetspot

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



37.7689, 42.6282, 68.5255



82.1433, 88.4039, 107.3420



39.3112, 54.4758, 42.0239



17.2660, 18.6329, 22.9364



0.0000, 0.0000, 0.0000



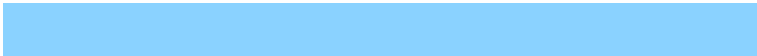
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7689, 42.6282, 68.5255



51.5552, 58.7448, 103.2294



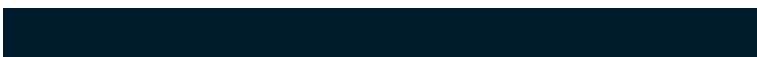
30.8882, 28.8666, 66.2319



12.3745, 13.2724, 15.8471



12.4355, 13.1328, 40.3326



0.8289, 0.9499, 2.4590

Inverse Universe

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



43.6093, 33.5671, 47.8984



61.9320, 44.0096, 66.2746



52.1823, 57.5033, 29.8229



12.7422, 12.5484, 14.5828



19.3357, 9.6706, 14.3379



1.2061, 0.5992, 1.0745

Previews

White Background



This preview shows how the XYZ color 37.7676, 42.6265, 68.5245 looks on a white background.

Color Contrast Check

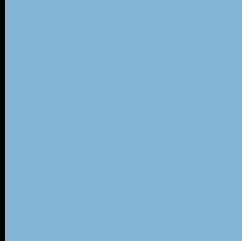
Large Text (above 18pt) WCAG AA × Fail

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 37.7676, 42.6265, 68.5245 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 37.7676, 42.6265, 68.5245

Background



This preview shows how black text looks on a background with the XYZ color 37.7676, 42.6265, 68.5245.



This preview shows how white text looks on a background with the XYZ color 37.7676, 42.6265,

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

37.7676, 42.6265, 68.5245

Protanopia

41.8295, 42.1768, 64.3288

Deuteranopia

43.3069, 42.2624, 69.4933



Tritanopia

35.8789, 42.4562, 59.7299

Trichromacy



Original Color

37.7676, 42.6265, 68.5245

Protanomaly

40.0416, 42.0840, 65.6871

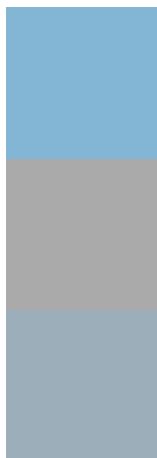
Deuteranomaly

40.8566, 42.1441, 68.9320

Tritanomaly

36.4095, 42.3569, 62.7566

Monochromacy



Original Color

37.7676, 42.6265, 68.5245

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.6033, 40.8428, 51.8005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7676, 42.6265, 68.5245 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(131, 181, 212)` looks like.

```
.text, #text, p{  
    color:rgb(131, 181, 212)  
}
```

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(131, 181, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 181, 212) }
```

Border

The CSS property to change the border of an element to XYZ 37.7676, 42.6265, 68.5245 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(131, 181, 212) }
```


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

```
.border{ border-color:rgb(131, 181, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 181, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 181, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 181, 212);  
box-shadow:4px 4px 4px 4px rgb(131, 181,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7676, 42.6265, 68.5245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 181, 212) }
```

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

```
.background{ background-color: rgb(131,  
181, 212) }
```

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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