

Converting Colors

XYZ(37.6986, 37.8355, 76.5378)

Have a look what the booklet for
XYZ(37.6986, 37.8355, 76.5378)
contains.

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Color

**XYZ(37.6932, 37.8355,
76.5505)**

Conversions

Conversions Part 1

Format	Color
Hex	8BA5E1
RGB	139, 165, 225
RGB Percent	55%, 65%, 88%
CMY	0.4549, 0.3529, 0.1176
CMYK	0.38, 0.27, 0.00, 0.12
HSL	222°, 59%, 71%
HSV	222°, 38%, 88%
XYZ	37.6932, 37.8355, 76.5505
YIQ	164.0660, -34.7560, 13.1480

Conversions

Conversions Part 2

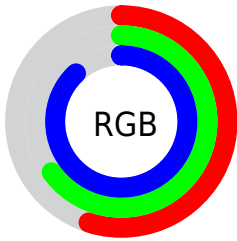
Format	Color
RYB	139, 159, 225
Decimal	9151969
CIELab	67.90, 5.71, -33.18
CIELCh	68, 33.673, 279.770
Yxy	37.8355, 0.2479, 0.2488
Android (android.graphics.Color)	4287342049 (0xFF8BA5E1)
YUV	164.0660, 30.0405, -21.9829
Hunter-Lab	61.5106, 1.7399, -30.7296

Details

The XYZ color **37.6932, 37.8355, 76.5505** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.1359, 58.7195, 32.8028**, and the grayscale version is **35.1925, 37.0252, 40.3205**.

A 20% lighter version of the original color is **66.1489, 70.0085, 104.6343**, and **16.8129, 16.6061, 39.8553** is the 20% darker color. If you saturate the color by 10%, you get **31.6561, 30.7755, 75.5067**, and if you desaturate by 10%, it is **44.8535, 45.9920, 77.7482**.

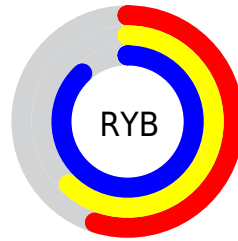
Distribution



Red (55%)

Green (65%)

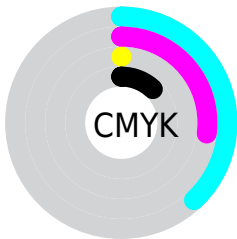
Blue (88%)



Red (55%)

Yellow (62%)

Blue (88%)

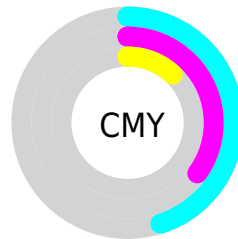


Cyan (38%)

Magenta (27%)

Yellow (0%)

Black (12%)



Cyan (45%)

Magenta (35%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6932, 37.8355, 76.5505 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 37.6932, 37.8355, 76.5505 by changing the saturation by 10% instead.

■ 37.6932, 37.8355,
76.5505

■ 37.6932, 37.8355,
76.5505

327.6057,
336.9138, 502.6270

■ 25.9208, 25.8550,
56.3747

■ 70.9446, 71.8559,
130.2720

■ 16.8968, 16.7152,
40.0974

■ 93.1543, 94.6647,
164.6547

■ 10.2558, 10.0317,
27.3001

■ 119.5738,
121.8517, 204.6102

■ 5.6324, 5.4200,
17.5643

150.5684,
153.8013, 250.5569

■ 2.6614, 2.4957,
10.4715

186.5036,
190.8979, 302.9133

■ 0.9773, 0.8745,
5.6030

227.7446,

■ 0.0000, 0.0000,

233.5259, 362.0982

2.5404

274.6569,
282.0698, 428.5299

■ 0.0000, 0.0000,
0.8614

■ 0.0000, 0.0000,
0.0000

■ 37.6932, 37.8355,
76.5505

■ 37.6932, 37.8355,
76.5505

■ 31.6561, 30.7755,
75.5067

■ 44.8535, 45.9920,
77.7482

■ 26.6782, 24.7581,
74.6075

■ 53.1887, 55.2870,
79.1030

■ 22.6942, 19.7307,
73.8471

■ 62.7520, 65.7654,
80.6215

■ 19.6298, 15.6339,
73.2179

■ 73.5918, 77.4684,
82.3090

■ 17.3987, 12.4006,
72.7114

■ 85.7542, 90.4351,
84.1708

■ 15.8825, 9.9453,
72.3174

■ 90.5907, 98.2163,
85.4178

■ 15.6593, 9.5734,
72.2574

Harmonies

Analogous

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



32.5985, 37.8355, 74.5169



37.6932, 37.8355, 76.5505



42.7780, 37.8355, 67.5019

Triad

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



37.6932, 37.8355, 76.5505



44.2485, 37.8355, 25.3969



27.3352, 37.8355, 32.0274

Complementary

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



37.6932, 37.8355, 76.5505



56.1359, 58.7195, 32.8028

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.



29.9105, 37.8355, 22.8040



37.6932, 37.8355, 76.5505



39.5482, 37.8355, 19.6686

Square

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



37.6932, 37.8355, 76.5505



46.7976, 37.8355, 36.5048



34.2837, 37.8355, 18.8509



26.9423, 37.8355, 46.2737

Rectangle

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



37.6932, 37.8355, 76.5505



45.3579, 37.8355, 57.4452



34.2837, 37.8355, 18.8509



27.9616, 37.8355, 28.3429

Sweetspot

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



37.6945, 37.8369, 76.5514



79.5445, 83.2061, 106.4757



47.7399, 63.4068, 63.0088



16.6476, 17.3961, 22.7303



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.



37.6945, 37.8369, 76.5514



43.4565, 42.5474, 100.5298



36.2973, 30.8484, 75.2761



13.2882, 13.9156, 17.3733



9.1135, 5.6966, 41.6676



0.7087, 0.5489, 2.9138

Inverse Universe

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



47.0766, 37.1907, 40.2961



57.8441, 42.3744, 44.7483



57.9469, 69.3047, 34.7505



13.8769, 13.7684, 15.1222



18.5403, 9.4831, 4.2449



1.3240, 0.6729, 0.4990

Previews

White Background



This preview shows how the XYZ color 37.6932, 37.8355, 76.5505 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 37.6932, 37.8355, 76.5505 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

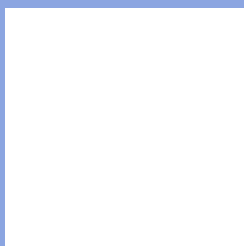
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6932, 37.8355, 76.5505

Background



This preview shows how black text looks on a background with the XYZ color 37.6932, 37.8355, 76.5505.



This preview shows how white text looks on a background with the XYZ color 37.6932, 37.8355,

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

37.6932, 37.8355, 76.5505

Protanopia

38.6292, 37.8180, 75.0757

Deuteranopia

38.7204, 37.8337, 76.4960



Tritanopia

32.6687, 37.7173, 52.0127

Trichromacy



Original Color

37.6932, 37.8355, 76.5505

Protanomaly

38.4071, 37.9525, 75.8223

Deuteranomaly

38.3677, 37.9165, 76.5306

Tritanomaly

34.2862, 37.5326, 60.0810

Monochromacy



Original Color

37.6932, 37.8355, 76.5505

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.6560, 37.0647, 51.7293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6932, 37.8355, 76.5505 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(139, 165, 225)` looks like.

```
.text, #text, p{  
    color:rgb(139, 165, 225)  
}
```

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(139, 165, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 165, 225) }
```

Border

The CSS property to change the border of an element to XYZ 37.6932, 37.8355, 76.5505 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(139, 165, 225) }
```


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

```
.border{ border-color:rgb(139, 165, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 165, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 165, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 165, 225);  
box-shadow:4px 4px 4px 4px rgb(139, 165,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6932, 37.8355, 76.5505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 165, 225) }
```

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

```
.background{ background-color: rgb(139,  
165, 225) }
```

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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