

Converting Colors

XYZ(37.6384, 38.6513, 75.2887)

Have a look what the booklet for
XYZ(37.6384, 38.6513, 75.2887)
contains.

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Color

**XYZ(37.6384, 38.6513,
75.2887)**

Conversions

Conversions Part 1

Format	Color
Hex	89A8DF
RGB	137, 168, 223
RGB Percent	54%, 66%, 87%
CMY	0.4627, 0.3412, 0.1255
CMYK	0.39, 0.25, 0.00, 0.13
HSL	218°, 57%, 71%
HSV	218°, 39%, 87%
XYZ	37.6384, 38.6513, 75.2887
YIQ	165.0010, -36.1310, 10.5330

Conversions

Conversions Part 2

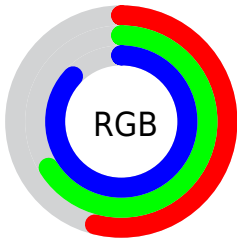
Format	Color
RYB	137, 160, 223
Decimal	9021663
CIELab	68.50, 2.96, -31.17
CIELCh	68, 31.310, 275.416
Yxy	38.6513, 0.2483, 0.2550
Android (android.graphics.Color)	4287211743 (0xFF89A8DF)
YUV	165.0010, 28.5935, -24.5569
Hunter-Lab	62.1702, -0.7322, -28.2817

Details

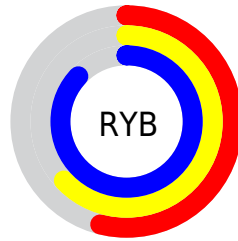
The XYZ color **37.6384, 38.6513, 75.2887** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.7973, 55.1944, 31.4864**, and the grayscale version is **35.6454, 37.5017, 40.8393**.

A 20% lighter version of the original color is **66.4300, 71.3328, 104.8751**, and **16.8806, 17.1569, 39.4677** is the 20% darker color. If you saturate the color by 10%, you get **31.8637, 31.9784, 74.3058**, and if you desaturate by 10%, it is **44.4600, 46.2941, 76.4051**.

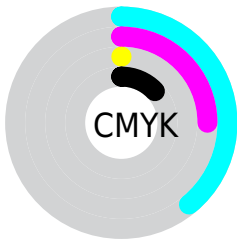
Distribution



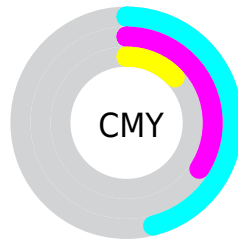
- Red (54%)
- Green (66%)
- Blue (87%)



- Red (54%)
- Yellow (63%)
- Blue (87%)



- Cyan (39%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)



- Cyan (46%)
- Magenta (34%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6384, 38.6513, 75.2887 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 37.6384, 38.6513, 75.2887 by changing the saturation by 10% instead.

■ 37.6384, 38.6513,
75.2887

■ 37.6384, 38.6513,
75.2887

327.3740,
340.4057, 498.1912

■ 25.8781, 26.4886,
55.3463

■ 70.8610, 73.1053,
128.4718

■ 16.8647, 17.1895,
39.2786

■ 93.0541, 96.1654,
162.5496

■ 10.2328, 10.3697,
26.6670

■ 119.4554,
123.6267, 202.1762

■ 5.6170, 5.6448,
17.0931

150.4304,
155.8737, 247.7702

■ 2.6521, 2.6303,
10.1382

186.3444,
193.2906, 299.7502

■ 0.9726, 0.9419,
5.3839

227.5628,

■ 0.0000, 0.0000,

236.2620, 358.5346

2.4116

274.4508,
285.1723, 424.5421

■ 0.0000, 0.0000,
0.7927

■ 0.0000, 0.0000,
0.0000

■ 37.6384, 38.6513,
75.2887

■ 37.6384, 38.6513,
75.2887

■ 31.8637, 31.9784,
74.3058

■ 44.4600, 46.2941,
76.4051

■ 27.0757, 26.2284,
73.4482

■ 52.3762, 54.9423,
77.6571

■ 23.2139, 21.3562,
72.7114

■ 61.4365, 64.6347,
79.0504

■ 20.2088, 17.3107,
72.0889

■ 71.6860, 75.4067,
80.5894

■ 17.9794, 14.0340,
71.5739

■ 83.1674, 87.2918,
82.2783

■ 16.4096, 11.4486,
71.1576

■ 89.8658, 97.2005,
83.8378

■ 16.2163, 11.1216,
71.1047

■ 90.3194, 98.1078,
83.9891

Harmonies

Analogous

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



32.9346, 38.6513, 71.8948



37.6384, 38.6513, 75.2887



42.5054, 38.6513, 68.2968

Triad

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



37.6384, 38.6513, 75.2887



45.0117, 38.6513, 28.2376



28.7774, 38.6513, 31.7756

Complementary

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



37.6384, 38.6513, 75.2887



53.7973, 55.1944, 31.4864

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.



31.5155, 38.6513, 23.6186



37.6384, 38.6513, 75.2887



40.8211, 38.6513, 21.9187

Square

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



37.6384, 38.6513, 75.2887



46.9991, 38.6513, 39.5753



35.8499, 38.6513, 20.4395



28.0891, 38.6513, 44.6980

Rectangle

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



37.6384, 38.6513, 75.2887



45.1021, 38.6513, 59.4413



35.8499, 38.6513, 20.4395



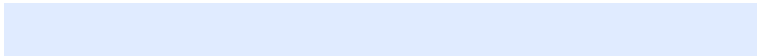
29.4758, 38.6513, 28.4857

Sweetspot

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



37.6397, 38.6528, 75.2896



78.7463, 82.7947, 106.4383



46.1607, 61.8768, 59.0715



16.5055, 17.3482, 22.7286



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.



37.6397, 38.6528, 75.2896



44.7995, 45.2333, 100.9775



34.5635, 29.5599, 73.6967



13.3544, 14.0480, 17.3954



9.6326, 6.7348, 41.8406



0.7506, 0.6326, 2.9278

Inverse Universe

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



46.4460, 36.4077, 41.6266



58.5220, 42.6456, 48.3178



57.9210, 68.5101, 33.8393



13.9104, 13.7818, 15.2982



18.8023, 9.5879, 5.6247



1.3451, 0.6813, 0.6102

Previews

White Background



This preview shows how the XYZ color 37.6384, 38.6513, 75.2887 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 37.6384, 38.6513, 75.2887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

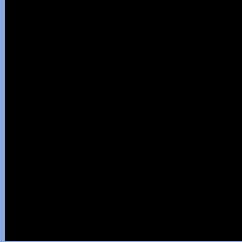
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6384, 38.6513, 75.2887

Background



This preview shows how black text looks on a background with the XYZ color 37.6384, 38.6513, 75.2887.



This preview shows how white text looks on a background with the XYZ color 37.6384, 38.6513,

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

37.6384, 38.6513, 75.2887

Protanopia

39.1359, 38.6569, 73.1090

Deuteranopia

39.4925, 38.5120, 75.8731



Tritanopia

33.1152, 38.4921, 53.2613

Trichromacy



Original Color

37.6384, 38.6513, 75.2887

Protanomaly

38.5414, 38.6039, 73.8266

Deuteranomaly

38.7637, 38.4031, 75.8905

Tritanomaly

34.6552, 38.5474, 60.8722

Monochromacy



Original Color

37.6384, 38.6513, 75.2887

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0167, 37.7862, 51.8495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6384, 38.6513, 75.2887 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(137, 168, 223)` looks like.

```
.text, #text, p{  
    color:rgb(137, 168, 223)  
}
```

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(137, 168, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 168, 223) }
```

Border

The CSS property to change the border of an element to XYZ 37.6384, 38.6513, 75.2887 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(137, 168, 223) }
```


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

```
.border{ border-color:rgb(137, 168, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 168, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 168, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 168, 223);  
box-shadow:4px 4px 4px 4px rgb(137, 168,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6384, 38.6513, 75.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 168, 223) }
```

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

```
.background{ background-color: rgb(137,  
168, 223) }
```

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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