

Converting Colors

XYZ(37.4670, 39.7341, 85.1539)

Have a look what the booklet for
XYZ(37.4670, 39.7341, 85.1539)
contains.

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Color

**XYZ(37.4200, 39.7252,
85.0524)**

Conversions

Conversions Part 1

Format	Color
Hex	75ADEC
RGB	117, 173, 236
RGB Percent	46%, 68%, 93%
CMY	0.5412, 0.3216, 0.0745
CMYK	0.50, 0.27, 0.00, 0.07
HSL	212°, 76%, 69%
HSV	212°, 50%, 93%
XYZ	37.4200, 39.7252, 85.0524
YIQ	163.4380, -53.5990, 7.7210

Conversions

Conversions Part 2

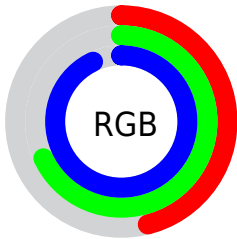
Format	Color
R _{YB}	117, 155, 236
Decimal	7712236
CIE Lab	69.27, -1.10, -37.17
CIE LCh	69, 37.186, 268.307
Yxy	39.7252, 0.2307, 0.2449
Android (android.graphics.Color)	4285902316 (0xFF75ADEC)
YUV	163.4380, 35.7731, -40.7261
Hunter-Lab	63.0279, -4.3225, -35.8887

Details

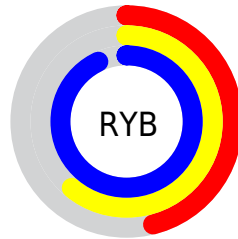
The XYZ color **37.4200, 39.7252, 85.0524** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.1256, 51.7615, 23.9695**, and the grayscale version is **34.8753, 36.6915, 39.9570**.

A 20% lighter version of the original color is **63.4726, 71.8208, 105.1252**, and **16.7629, 17.8399, 45.7400** is the 20% darker color. If you saturate the color by 10%, you get **32.3549, 33.7228, 84.1615**, and if you desaturate by 10%, it is **43.5111, 46.5906, 86.0573**.

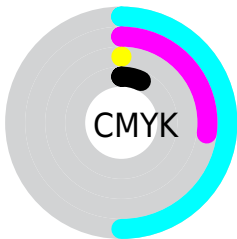
Distribution



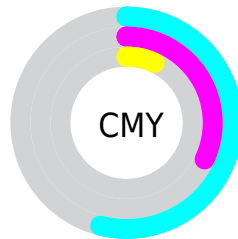
- Red (46%)
- Green (68%)
- Blue (93%)



- Red (46%)
- Yellow (61%)
- Blue (93%)



- Cyan (50%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (54%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4200, 39.7252, 85.0524 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 37.4200, 39.7252, 85.0524 by changing the saturation by 10% instead.

■ 37.4200, 39.7252,
85.0524

■ 37.4200, 39.7252,
85.0524

326.4494,
344.9640, 531.9506

■ 25.7080, 27.3244,
63.3343

■ 70.5279, 74.7449,
142.3212

■ 16.7369, 17.8170,
45.6690

■ 92.6546, 98.1325,
178.7090

■ 10.1412, 10.8187,
31.6379

■ 118.9835,
125.9512, 220.8237

■ 5.5557, 5.9450,
20.8225

149.8800,
158.5853, 269.0839

■ 2.6149, 2.8117,
12.8044

185.7095,
196.4192, 323.9081

■ 0.9536, 1.0342,
7.1648

226.8373,

■ 0.0000, 0.0000,

239.8374, 385.7150

3.4854

273.6288,
289.2242, 454.9229

■ 0.0000, 0.0000,
1.3475

■ 0.0000, 0.0000,
0.1003

■ 37.4200, 39.7252,
85.0524

■ 37.4200, 39.7252,
85.0524

■ 32.3549, 33.7228,
84.1615

■ 43.5111, 46.5906,
86.0573

■ 28.2443, 28.5353,
83.3769

■ 50.6848, 54.3548,
87.1778

■ 25.0131, 24.1152,
82.6940

■ 58.9983, 63.0562,
88.4192

■ 22.5710, 20.4060,
82.1068

■ 68.5031, 72.7296,
89.7854

■ 20.8313, 17.4378,
81.6256

■ 79.2476, 83.4079,
91.2802

■ 89.9382, 94.4316,
92.8445

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



32.0513, 39.7252, 77.6206



37.4200, 39.7252, 85.0524



43.4566, 39.7252, 79.0615

Triad

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



37.4200, 39.7252, 85.0524



48.7725, 39.7252, 29.4829



28.8221, 39.7252, 28.2010

Complementary

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



37.4200, 39.7252, 85.0524



54.1256, 51.7615, 23.9695

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.



32.5800, 39.7252, 20.3154



37.4200, 39.7252, 85.0524



44.1039, 39.7252, 20.9070

Square

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



37.4200, 39.7252, 85.0524



50.4098, 39.7252, 44.2310



38.0972, 39.7252, 18.0431



27.4221, 39.7252, 42.2914

Rectangle

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



37.4200, 39.7252, 85.0524



46.9776, 39.7252, 68.9624



38.0972, 39.7252, 18.0431



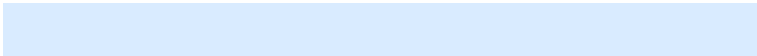
29.8306, 39.7252, 24.8905

Sweetspot

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



37.4214, 39.7266, 85.0534



76.2278, 81.2069, 106.2646



45.4174, 67.0077, 52.9160



15.8071, 16.8629, 22.6717



0.0000, 0.0000, 0.0000



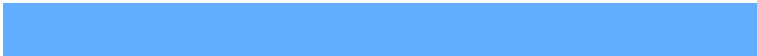
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4214, 39.7266, 85.0534



38.1213, 39.6509, 100.2519



29.1085, 22.7011, 82.2052



14.8157, 15.7178, 19.1752



11.6098, 9.8667, 45.0355



1.0072, 0.9660, 3.5682

Inverse Universe

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



48.4974, 33.5741, 43.4609



53.2535, 33.2728, 42.9730



67.1445, 78.7714, 28.4967



15.3605, 15.1721, 17.1838



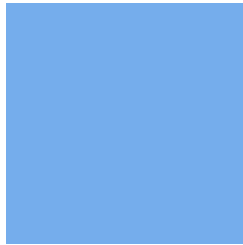
20.7154, 10.4889, 9.5686



1.6749, 0.8429, 1.0055

Previews

White Background



This preview shows how the XYZ color 37.4200, 39.7252, 85.0524 looks on a white background.

Color Contrast Check

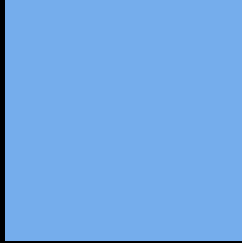
Large Text (above 18pt) WCAG AA × Fail

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 37.4200, 39.7252, 85.0524 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

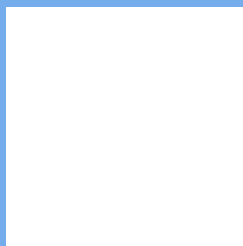
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4200, 39.7252, 85.0524

Background



This preview shows how black text looks on a background with the XYZ color 37.4200, 39.7252, 85.0524.



This preview shows how white text looks on a background with the XYZ color 37.4200, 39.7252,

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

37.4200, 39.7252, 85.0524

Protanopia

40.4544, 39.4315, 81.0802

Deuteranopia

40.6064, 39.6811, 85.6398



Tritanopia

32.0831, 39.9309, 57.6462

Trichromacy



Original Color

37.4200, 39.7252, 85.0524

Protanomaly

39.2125, 39.5775, 82.6633

Deuteranomaly

39.3055, 39.5587, 85.6847

Tritanomaly

33.8599, 39.7451, 66.8597

Monochromacy



Original Color

37.4200, 39.7252, 85.0524

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.9670, 37.4661, 54.1039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4200, 39.7252, 85.0524 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(117, 173, 236)` looks like.

```
.text, #text, p{  
    color:rgb(117, 173, 236)  
}
```

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(117, 173, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 173, 236) }
```

Border

The CSS property to change the border of an element to XYZ 37.4200, 39.7252, 85.0524 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(117, 173, 236) }
```


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

```
.border{ border-color:rgb(117, 173, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 173, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 173, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 173, 236);  
box-shadow:4px 4px 4px 4px rgb(117, 173,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4200, 39.7252, 85.0524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 173, 236) }
```

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

```
.background{ background-color: rgb(117,  
173, 236) }
```

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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