

Converting Colors

XYZ(34.6135, 37.6721, 66.2623)

Have a look what the booklet for
XYZ(34.6135, 37.6721, 66.2623)
contains.

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Color

**XYZ(34.5732, 37.5411,
66.3967)**

Conversions

Conversions Part 1

Format	Color
Hex	7FA9D2
RGB	127, 169, 210
RGB Percent	50%, 66%, 82%
CMY	0.5019, 0.3372, 0.1765
CMYK	0.40, 0.20, 0.00, 0.18
HSL	210°, 48%, 66%
HSV	210°, 40%, 82%
XYZ	34.5732, 37.5411, 66.3967
YIQ	161.1160, -38.1930, 3.8470

Conversions

Conversions Part 2

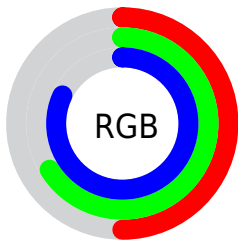
Format	Color
R _Y B	127, 155, 210
Decimal	8366546
CIE Lab	67.68, -3.77, -25.32
CIE LCh	68, 25.602, 261.522
Yxy	37.5411, 0.2496, 0.2710
Android (android.graphics.Color)	4286556626 (0xFF7FA9D2)
YUV	161.1160, 24.0998, -29.9197
Hunter-Lab	61.2708, -6.5019, -21.3606

Details

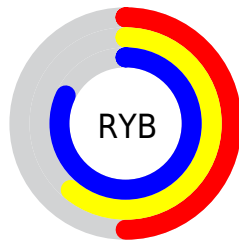
The XYZ color **34.5732, 37.5411, 66.3967** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.4125, 43.2400, 26.0852**, and the grayscale version is **33.8354, 35.5975, 38.7657**.

A 20% lighter version of the original color is **63.9971, 70.4764, 104.8380**, and **15.0253, 16.5056, 33.4043** is the 20% darker color. If you saturate the color by 10%, you get **29.9118, 32.3867, 65.6481**, and if you desaturate by 10%, it is **40.0420, 43.3407, 67.2286**.

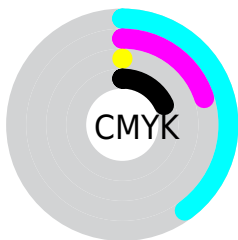
Distribution



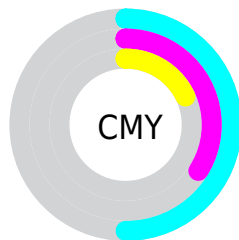
- Red (50%)
- Green (66%)
- Blue (82%)



- Red (50%)
- Yellow (61%)
- Blue (82%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)



- Cyan (50%)
- Magenta (34%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5732, 37.5411, 66.3967 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 34.5732, 37.5411, 66.3967 by changing the saturation by 10% instead.

■ 34.5732, 37.5411,
66.3967

■ 34.5732, 37.5411,
66.3967

314.2216,
335.6473, 466.2372

■ 23.4993, 25.6267,
48.1360

■ 66.1624, 71.4042,
115.6879

■ 15.0853, 16.5446,
33.5738

■ 87.4085, 94.1217,
147.5556

■ 8.9660, 9.9103,
22.2917

■ 112.7759,
121.2091, 184.7959

■ 4.7759, 5.3395,
13.8710

142.6301,
153.0507, 227.8275

■ 2.1498, 2.4478,
7.8933

177.3364,
190.0309, 277.0688

■ 0.7161, 0.8503,
3.9399

217.2602,

■ 0.0000, 0.0000,

232.5342, 332.9386

1.5925

262.7668,
280.9448, 395.8552

■ 0.0000, 0.0000,
0.2854

■ 0.0000, 0.0000,
0.0000

■ 34.5732, 37.5411,
66.3967

■ 34.5732, 37.5411,
66.3967

■ 29.9118, 32.3867,
65.6481

■ 40.0420, 43.3407,
67.2286

■ 26.0097, 27.8450,
64.9772

■ 46.3552, 49.8072,
68.1440

■ 22.8192, 23.8867,
64.3813

■ 53.5519, 56.9664,
69.1465

■ 20.2847, 20.4776,
63.8569

■ 61.6674, 64.8413,
70.2388

■ 18.3411, 17.5782,
63.3997

■ 70.7351, 73.4538,
71.4233

■ 16.8785, 15.1257,
63.0034

■ 80.7865, 82.8246,
72.7023

■ 16.8146, 15.0165,
62.9857

■ 84.5111, 89.1894,
73.7345

■ 87.6802, 95.5276,
74.7908

■ 88.6330, 97.4332,
75.1084

Harmonies

Analogous

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



31.1598, 37.5411, 60.3868



34.5732, 37.5411, 66.3967



38.5423, 37.5411, 64.6444

Triad

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



34.5732, 37.5411, 66.3967



43.2270, 37.5411, 33.4014



30.0580, 37.5411, 28.7763

Complementary

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



34.5732, 37.5411, 66.3967



44.4125, 43.2400, 26.0852

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.



32.9662, 37.5411, 23.7906



34.5732, 37.5411, 66.3967



40.6212, 37.5411, 26.0978

Square

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



34.5732, 37.5411, 66.3967



43.7366, 37.5411, 44.1686



36.8136, 37.5411, 22.9099



28.6819, 37.5411, 37.7510

Rectangle

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



34.5732, 37.5411, 66.3967



40.9592, 37.5411, 59.4281



36.8136, 37.5411, 22.9099



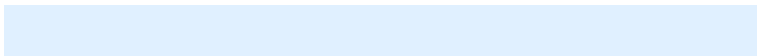
30.8782, 37.5411, 26.6526

Sweetspot

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



34.5744, 37.5425, 66.3976



80.0407, 85.3835, 106.8698



38.7858, 53.4004, 44.8800



16.8095, 17.9562, 22.8299



0.0000, 0.0000, 0.0000



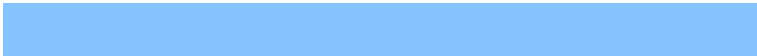
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5744, 37.5425, 66.3976



47.7602, 51.7722, 102.0835



28.1556, 24.7049, 64.2580



11.6510, 12.3923, 15.0215



10.3574, 9.3614, 38.4535



0.6585, 0.6821, 2.1765

Inverse Universe

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



41.3302, 31.7461, 41.4869



59.8658, 42.6062, 57.1727



53.1164, 60.6477, 28.9865



12.0547, 11.9066, 13.5641



17.8587, 9.0163, 9.4279



1.0386, 0.5202, 0.7380

Previews

White Background



This preview shows how the XYZ color 34.5732, 37.5411, 66.3967 looks on a white background.

Color Contrast Check

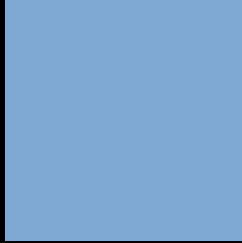
Large Text (above 18pt) WCAG AA × Fail

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 34.5732, 37.5411, 66.3967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

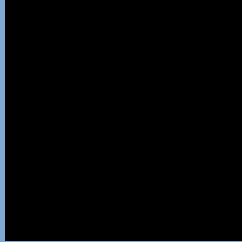
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5732, 37.5411, 66.3967

Background



This preview shows how black text looks on a background with the XYZ color 34.5732, 37.5411, 66.3967.



This preview shows how white text looks on a background with the XYZ color 34.5732, 37.5411,

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

34.5732, 37.5411, 66.3967

Protanopia

37.4431, 37.4722, 63.0170

Deuteranopia

38.1461, 37.2118, 67.4594



Tritanopia

31.7984, 37.5399, 52.5837

Trichromacy



Original Color

34.5732, 37.5411, 66.3967

Protanomaly

36.2192, 37.3446, 64.3307

Deuteranomaly

36.7104, 37.2738, 66.8877

Tritanomaly

32.7712, 37.6561, 57.1709

Monochromacy



Original Color

34.5732, 37.5411, 66.3967

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.8066, 36.1952, 47.8524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5732, 37.5411, 66.3967 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(127, 169, 210)` looks like.

```
.text, #text, p{  
    color:rgb(127, 169, 210)  
}
```

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(127, 169, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 169, 210) }
```

Border

The CSS property to change the border of an element to XYZ 34.5732, 37.5411, 66.3967 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(127, 169, 210) }
```


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

```
.border{ border-color:rgb(127, 169, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 169, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 169, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 169, 210);  
box-shadow:4px 4px 4px 4px rgb(127, 169,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5732, 37.5411, 66.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 169, 210) }
```

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

```
.background{ background-color: rgb(127,  
169, 210) }
```

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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