

Converting Colors

XYZ(37.4996, 37.1246, 84.7614)

Have a look what the booklet for
XYZ(37.4996, 37.1246, 84.7614)
contains.

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Color

**XYZ(37.4434, 36.9963,
84.5244)**

Conversions

Conversions Part 1

Format	Color
Hex	82A3EC
RGB	130, 163, 236
RGB Percent	51%, 64%, 93%
CMY	0.4902, 0.3608, 0.0745
CMYK	0.45, 0.31, 0.00, 0.07
HSL	221°, 74%, 72%
HSV	221°, 45%, 93%
XYZ	37.4434, 36.9963, 84.5244
YIQ	161.4550, -43.1010, 15.7070

Conversions

Conversions Part 2

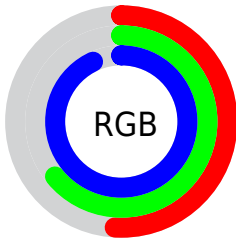
Format	Color
RYB	130, 155, 236
Decimal	8561644
CIELab	67.27, 7.59, -40.23
CIELCh	67, 40.945, 280.689
Yxy	36.9963, 0.2355, 0.2327
Android (android.graphics.Color)	4286751724 (0xFF82A3EC)
YUV	161.4550, 36.7507, -27.5860
Hunter-Lab	60.8246, 3.4410, -39.8147

Details

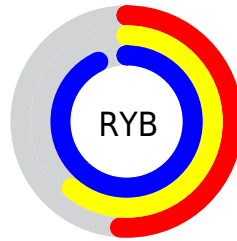
The XYZ color **37.4434, 36.9963, 84.5244** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.9786, 62.1581, 29.9572**, and the grayscale version is **33.9376, 35.7050, 38.8828**.

A 20% lighter version of the original color is **63.6149, 67.9276, 104.3662**, and **16.7800, 16.3001, 45.4418** is the 20% darker color. If you saturate the color by 10%, you get **31.5273, 29.9348, 83.4739**, and if you desaturate by 10%, it is **44.5631, 45.2302, 85.7392**.

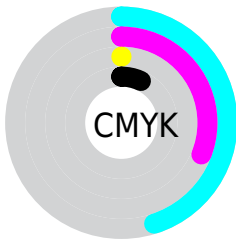
Distribution



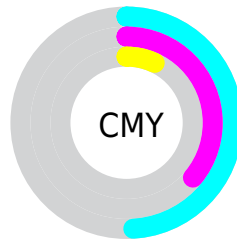
- Red (51%)
- Green (64%)
- Blue (93%)



- Red (51%)
- Yellow (61%)
- Blue (93%)



- Cyan (45%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)



- Cyan (49%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4434, 36.9963, 84.5244 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 37.4434, 36.9963, 84.5244 by changing the saturation by 10% instead.

■ 37.4434, 36.9963,
84.5244

■ 37.4434, 36.9963,
84.5244

326.5485,
333.2945, 530.1565

■ 25.7262, 25.2046,
62.9006

■ 70.5636, 70.5671,
141.5768

■ 16.7505, 16.2296,
45.3203

■ 92.6974, 93.1150,
177.8424

■ 10.1510, 9.6868,
31.3650

■ 119.0341,
120.0171, 219.8257

■ 5.5622, 5.1918,
20.6162

149.9390,
151.6578, 267.9452

■ 2.6189, 2.3602,
12.6552

185.7776,
188.4215, 322.6196

■ 0.9556, 0.8053,
7.0636

226.9151,

■ 0.0000, 0.0000,

230.6926, 384.2672

3.4229

273.7170,
278.8555, 453.3066

■ 0.0000, 0.0000,
1.3144

■ 0.0000, 0.0000,
0.0736

■ 37.4434, 36.9963,
84.5244

■ 37.4434, 36.9963,
84.5244

■ 31.5273, 29.9348,
83.4739

■ 44.5631, 45.2302,
85.7392

■ 26.7393, 23.9839,
82.5776

■ 52.9479, 54.6859,
87.1224

■ 23.0010, 19.0818,
81.8285

■ 62.6594, 65.4146,
88.6814

■ 20.2210, 15.1577,
81.2175

■ 73.7541, 77.4633,
90.4222

■ 18.2896, 12.1294,
80.7348

■ 86.2850, 90.8763,
92.3508

■ 17.5540, 10.8833,
80.5331

■ 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.



31.3327, 36.9963, 82.3455



37.4434, 36.9963, 84.5244



43.6071, 36.9963, 72.4728

Triad

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



37.4434, 36.9963, 84.5244



45.1004, 36.9963, 21.7328



24.9860, 36.9963, 29.9269

Complementary

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



37.4434, 36.9963, 84.5244



59.9786, 62.1581, 29.9572

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.



27.8875, 36.9963, 19.3941



37.4434, 36.9963, 84.5244



39.2953, 36.9963, 15.7265

Square

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



37.4434, 36.9963, 84.5244



48.3636, 36.9963, 34.2226



32.9788, 36.9963, 15.0210



24.6151, 36.9963, 47.0190

Rectangle

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



37.4434, 36.9963, 84.5244



46.7352, 36.9963, 59.6191



32.9788, 36.9963, 15.0210



25.6800, 36.9963, 25.6570

Sweetspot

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



37.4447, 36.9977, 84.5253



77.0328, 80.5349, 106.0925



49.9147, 69.0226, 66.8397



15.8944, 16.5885, 22.6141



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.



37.4447, 36.9977, 84.5253



38.0264, 36.2225, 99.5952



35.5981, 28.4534, 82.9734



14.6138, 15.3140, 19.1079



9.7775, 6.2019, 44.4247



0.8507, 0.6529, 3.5161

Inverse Universe

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



49.1867, 36.4439, 39.0935



53.9961, 36.5965, 37.5526



62.5124, 76.2889, 32.5512



15.2586, 15.1313, 16.6471



19.7905, 10.1189, 4.6982



1.5959, 0.8113, 0.5894

Previews

White Background



This preview shows how the XYZ color 37.4434, 36.9963, 84.5244 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 37.4434, 36.9963, 84.5244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

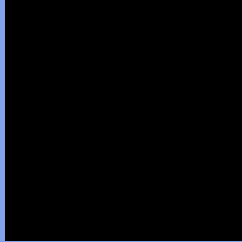
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4434, 36.9963, 84.5244

Background



This preview shows how black text looks on a background with the XYZ color 37.4434, 36.9963, 84.5244.



This preview shows how white text looks on a background with the XYZ color 37.4434, 36.9963,

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

37.4434, 36.9963, 84.5244

Protanopia

38.4114, 37.0057, 82.9602

Deuteranopia

37.8922, 36.9651, 84.4947



Tritanopia

31.0090, 37.1453, 51.9898

Trichromacy



Original Color

37.4434, 36.9963, 84.5244

Protanomaly

38.0691, 37.0731, 83.7466

Deuteranomaly

37.7335, 36.8833, 84.4873

Tritanomaly

32.9722, 36.8005, 62.4921

Monochromacy



Original Color

37.4434, 36.9963, 84.5244

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.5751, 35.9555, 52.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4434, 36.9963, 84.5244 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(130, 163, 236)` looks like.

```
.text, #text, p{  
    color:rgb(130, 163, 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(130, 163, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 163, 236) }
```

Border

The CSS property to change the border of an element to XYZ 37.4434, 36.9963, 84.5244 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(130, 163, 236) }
```


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

```
.border{ border-color:rgb(130, 163, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 163, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 163, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 163, 236);  
box-shadow:4px 4px 4px 4px rgb(130, 163,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4434, 36.9963, 84.5244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 163, 236) }
```

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

```
.background{ background-color: rgb(130,  
163, 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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