

Converting Colors

XYZ(36.8446, 37.3328, 67.4611)

Have a look what the booklet for
XYZ(36.8446, 37.3328, 67.4611)
contains.

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Color

**XYZ(36.8362, 37.3241,
67.5502)**

Conversions

Conversions Part 1

Format	Color
Hex	91A4D4
RGB	145, 164, 212
RGB Percent	57%, 64%, 83%
CMY	0.4314, 0.3569, 0.1686
CMYK	0.32, 0.23, 0.00, 0.17
HSL	223°, 44%, 70%
HSV	223°, 32%, 83%
XYZ	36.8362, 37.3241, 67.5502
YIQ	163.7910, -26.7320, 10.9000

Conversions

Conversions Part 2

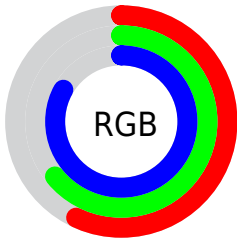
Format	Color
R_{YB}	145, 160, 212
Decimal	9544916
CIE _{Lab}	67.52, 4.55, -26.58
CIE _{LCh}	68, 26.963, 279.705
Yxy	37.3241, 0.2599, 0.2634
Android (android.graphics.Color)	4287734996 (0xFF91A4D4)
YUV	163.7910, 23.7670, -16.4797
Hunter-Lab	61.0935, 0.7127, -22.7907

Details

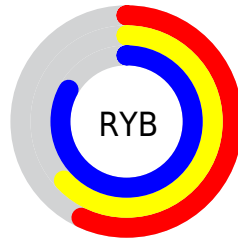
The XYZ color **36.8362, 37.3241, 67.5502** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.3330, 54.1821, 34.5420**, and the grayscale version is **35.0880, 36.9153, 40.2008**.

A 20% lighter version of the original color is **67.2009, 70.1624, 104.6086**, and **16.2936, 16.2980, 34.1853** is the 20% darker color. If you saturate the color by 10%, you get **30.8858, 30.4604, 66.5396**, and if you desaturate by 10%, it is **43.8108, 45.1993, 68.7033**.

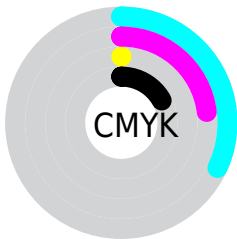
Distribution



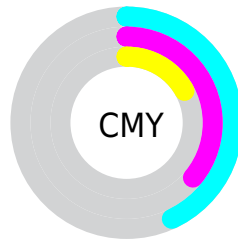
- Red (57%)
- Green (64%)
- Blue (83%)



- Red (57%)
- Yellow (63%)
- Blue (83%)



- Cyan (32%)
- Magenta (23%)
- Yellow (0%)
- Black (17%)



- Cyan (43%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8362, 37.3241, 67.5502 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 36.8362, 37.3241, 67.5502 by changing the saturation by 10% instead.

■ 36.8362, 37.3241,
67.5502

■ 36.8362, 37.3241,
67.5502

323.9687,
334.7116, 470.4554

■ 25.2538, 25.4585,
49.0675

■ 69.6363, 71.0710,
117.3566

■ 16.3960, 16.4190,
34.3070

■ 91.5846, 93.7211,
149.5173

■ 9.8974, 9.8211,
22.8503

117.7190,
120.7348, 187.0744

■ 5.3927, 5.2805,
14.2788

148.4047,
152.4965, 230.4466

■ 2.5166, 2.4128,
8.1738

184.0072,
189.3907, 280.0522

■ 0.9036, 0.8325,
4.1170

224.8918,

■ 0.0000, 0.0000,

231.8016, 336.3098

1.6898

271.4238,
280.1138, 399.6381

■ 0.0000, 0.0000,
0.3537

■ 0.0000, 0.0000,
0.0000

■ 36.8362, 37.3241,
67.5502

■ 36.8362, 37.3241,
67.5502

■ 30.8858, 30.4604,
66.5396

■ 43.8108, 45.1993,
68.7033

■ 25.9055, 24.5609,
65.6634

■ 51.8524, 54.1218,
70.0017

■ 21.8420, 19.5812,
64.9164

■ 61.0061, 64.1308,
71.4512

■ 18.6348, 15.4710,
64.2921

■ 71.3130, 75.2621,
73.0565

■ 16.2155, 12.1747,
63.7834

■ 82.8121, 87.5501,
74.8222

■ 14.5039, 9.6289,
63.3822

■ 88.8838, 97.5335,
76.4292

■ 13.5060, 7.9979,
63.1200

Harmonies

Analogous

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



32.7818, 37.3241, 66.0315



36.8362, 37.3241, 67.5502



40.8152, 37.3241, 60.8543

Triad

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



36.8362, 37.3241, 67.5502



41.9681, 37.3241, 27.7308



28.5121, 37.3241, 33.2245

Complementary

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



36.8362, 37.3241, 67.5502



51.3330, 54.1821, 34.5420

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.



30.6230, 37.3241, 25.4850



36.8362, 37.3241, 67.5502



38.3127, 37.3241, 22.7683

Square

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



36.8362, 37.3241, 67.5502



43.9268, 37.3241, 36.9115



34.1486, 37.3241, 22.0352



28.1842, 37.3241, 44.6107

Rectangle

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



36.8362, 37.3241, 67.5502



42.8127, 37.3241, 53.2776



34.1486, 37.3241, 22.0352



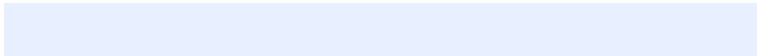
29.0284, 37.3241, 30.1771

Sweetspot

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



36.8374, 37.3256, 67.5511



82.0823, 85.8589, 106.8540



44.7249, 56.9089, 58.4394



17.1489, 17.9159, 22.8042



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.



36.8374, 37.3256, 67.5511



49.6407, 49.4402, 101.5343



36.1896, 32.3153, 66.6181



12.0265, 12.5765, 15.7312



8.4119, 5.0855, 38.9914



0.5776, 0.4471, 2.3752

Inverse Universe

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



43.9787, 36.9294, 39.9336



62.3022, 49.2752, 52.4478



52.1024, 61.2196, 35.8598



12.5666, 12.4781, 13.6579



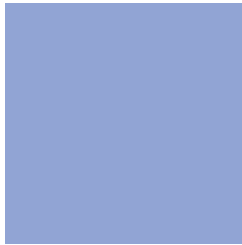
17.3048, 8.8582, 3.6431



1.0792, 0.5485, 0.4063

Previews

White Background



This preview shows how the XYZ color 36.8362, 37.3241, 67.5502 looks on a white background.

Color Contrast Check

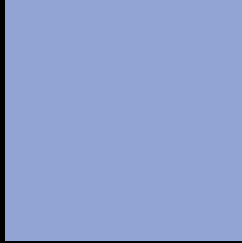
Large Text (above 18pt) WCAG AA × Fail

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 36.8362, 37.3241, 67.5502 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 36.8362, 37.3241, 67.5502

Background



This preview shows how black text looks on a background with the XYZ color 36.8362, 37.3241, 67.5502.



This preview shows how white text looks on a background with the XYZ color 36.8362, 37.3241,

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

36.8362, 37.3241, 67.5502

Protanopia

37.6271, 37.2192, 66.8289

Deuteranopia

38.0815, 37.1639, 68.1170



Tritanopia

33.3827, 37.2838, 50.2368

Trichromacy



Original Color

36.8362, 37.3241, 67.5502

Protanomaly

37.2495, 37.2871, 66.8619

Deuteranomaly

37.6931, 37.2241, 68.1491

Tritanomaly

34.5408, 37.1952, 56.3978

Monochromacy



Original Color

36.8362, 37.3241, 67.5502

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.5206, 37.0552, 48.9963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8362, 37.3241, 67.5502 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(145, 164, 212)` looks like.

```
.text, #text, p{  
    color:rgb(145, 164, 212)  
}
```

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(145, 164, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 164, 212) }
```

Border

The CSS property to change the border of an element to XYZ 36.8362, 37.3241, 67.5502 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(145, 164, 212) }
```


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

```
.border{ border-color:rgb(145, 164, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 164, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 164, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 164, 212);  
box-shadow:4px 4px 4px 4px rgb(145, 164,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8362, 37.3241, 67.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 164, 212) }
```

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

```
.background{ background-color: rgb(145,  
164, 212) }
```

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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