

Converting Colors

XYZ(36.7783, 36.3004, 65.4548)

Have a look what the booklet for
XYZ(36.7783, 36.3004, 65.4548)
contains.

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Color

**XYZ(36.8419, 36.3244,
65.3911)**

Conversions

Conversions Part 1

Format	Color
Hex	97A0D1
RGB	151, 160, 209
RGB Percent	59%, 63%, 82%
CMY	0.4078, 0.3725, 0.1804
CMYK	0.28, 0.23, 0.00, 0.18
HSL	231°, 39%, 71%
HSV	231°, 28%, 82%
XYZ	36.8419, 36.3244, 65.3911
YIQ	162.8950, -21.0930, 13.3310

Conversions

Conversions Part 2

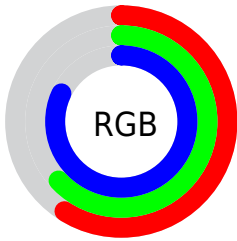
Format	Color
RYB	151, 159, 209
Decimal	9937105
CIELab	66.77, 7.81, -26.04
CIElCh	67, 27.183, 286.691
Yxy	36.3244, 0.2659, 0.2622
Android (android.graphics.Color)	4288127185 (0xFF97A0D1)
YUV	162.8950, 22.7298, -10.4319
Hunter-Lab	60.2697, 3.6421, -22.1393

Details

The XYZ color **36.8419, 36.3244, 65.3911** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.5351, 57.0984, 37.5314**, and the grayscale version is **34.6675, 36.4729, 39.7190**.

A 20% lighter version of the original color is **67.8040, 68.9427, 104.3414**, and **16.4470, 15.9230, 32.7785** is the 20% darker color. If you saturate the color by 10%, you get **30.4551, 28.8068, 64.2773**, and if you desaturate by 10%, it is **44.3534, 45.0688, 66.6837**.

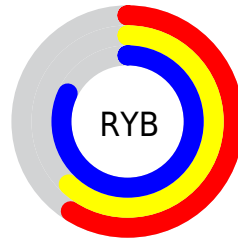
Distribution



Red (59%)

Green (63%)

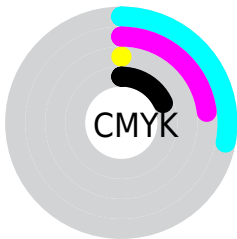
Blue (82%)



Red (59%)

Yellow (62%)

Blue (82%)

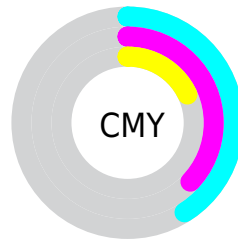


Cyan (28%)

Magenta (23%)

Yellow (0%)

Black (18%)



Cyan (41%)

Magenta (37%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8419, 36.3244, 65.3911 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 36.8419, 36.3244, 65.3911 by changing the saturation by 10% instead.

■ 36.8419, 36.3244,
65.3911

■ 36.8419, 36.3244,
65.3911

323.9930,
330.3762, 462.5407

■ 25.2582, 24.6848,
47.3249

■ 69.6450, 69.5325,
114.2306

■ 16.3993, 15.8424,
32.9364

■ 91.5951, 91.8698,
145.8410

■ 9.8998, 9.4127,
21.8070

117.7314,
118.5418, 182.8033

■ 5.3943, 5.0113,
13.5182

148.4192,
149.9329, 225.5359

■ 2.5175, 2.2539,
7.6514

184.0239,
186.4275, 274.4574

■ 0.9041, 0.7492,
3.7882

224.9109,

■ 0.0000, 0.0000,

228.4100, 329.9863

1.5099

271.4454,
276.2648, 392.5412

■ 0.0000, 0.0000,
0.2253

■ 0.0000, 0.0000,
0.0000

■ 36.8419, 36.3244,
65.3911

■ 36.8419, 36.3244,
65.3911

■ 30.4551, 28.8068,
64.2773

■ 44.3534, 45.0688,
66.6837

■ 25.1348, 22.4565,
63.3320

■ 53.0369, 55.0872,
68.1597

■ 20.8231, 17.2154,
62.5476

■ 62.9411, 66.4299,
69.8271

■ 17.4550, 13.0188,
61.9151

■ 74.1110, 79.1428,
71.6922

■ 14.9575, 9.7948,
61.4244

■ 86.4042, 93.1743,
73.7526

■ 13.2468, 7.4622,
61.0644

■ 88.5087, 97.3835,
74.4542

■ 12.2109, 5.9204,
60.8214

■ 12.0371, 5.6601,
60.7803

Harmonies

Analogous

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



32.7402, 36.3244, 65.8751



36.8419, 36.3244, 65.3911



40.5922, 36.3244, 57.1682

Triad

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



36.8419, 36.3244, 65.3911



40.2264, 36.3244, 25.2788



27.4007, 36.3244, 34.5730

Complementary

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



36.8419, 36.3244, 65.3911



52.5351, 57.0984, 37.5314

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.



29.0951, 36.3244, 25.9853



36.8419, 36.3244, 65.3911



36.3740, 36.3244, 21.3815

Square

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



36.8419, 36.3244, 65.3911



42.6498, 36.3244, 33.4082



32.3078, 36.3244, 21.6115



27.5041, 36.3244, 46.4043

Rectangle

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



36.8419, 36.3244, 65.3911



42.2921, 36.3244, 49.1853



32.3078, 36.3244, 21.6115



27.7728, 36.3244, 31.2650

Sweetspot

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



36.8431, 36.3258, 65.3919



82.6855, 85.8270, 106.8160



45.9113, 56.3200, 62.6877



17.2306, 17.8327, 22.7839



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.



36.8431, 36.3258, 65.3919



51.9336, 50.1045, 101.5417



39.2259, 35.3210, 65.0724



11.3097, 11.7097, 14.9078



7.4679, 3.5824, 37.4904



0.4655, 0.2962, 2.1122

Inverse Universe

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



43.7072, 38.2276, 38.3343



64.4168, 53.7861, 52.2843



49.5392, 58.7403, 38.0062



11.8825, 11.8377, 12.6569



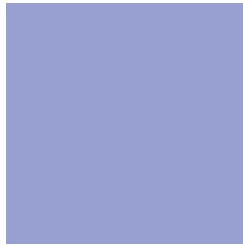
16.4002, 8.4329, 1.7476



0.9412, 0.4812, 0.2251

Previews

White Background



This preview shows how the XYZ color 36.8419, 36.3244, 65.3911 looks on a white background.

Color Contrast Check

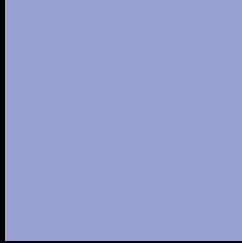
Large Text (above 18pt) WCAG AA × Fail

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 36.8419, 36.3244, 65.3911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

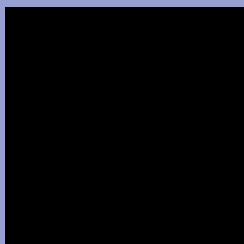
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8419, 36.3244, 65.3911

Background



This preview shows how black text looks on a background with the XYZ color 36.8419, 36.3244, 65.3911.



This preview shows how white text looks on a background with the XYZ color 36.8419, 36.3244,

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

36.8419, 36.3244, 65.3911

Protanopia

36.4739, 36.1346, 65.3739

Deuteranopia

37.0436, 36.1720, 65.3511



Tritanopia

33.4500, 36.5469, 47.9391

Trichromacy



Original Color

36.8419, 36.3244, 65.3911

Protanomaly

36.6571, 36.2291, 65.3825

Deuteranomaly

36.8557, 36.0751, 65.3423

Tritanomaly

34.6023, 36.4717, 53.9312

Monochromacy



Original Color

36.8419, 36.3244, 65.3911

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.4566, 36.5069, 48.3578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8419, 36.3244, 65.3911 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(151, 160, 209)` looks like.

```
.text, #text, p{  
    color:rgb(151, 160, 209)  
}
```

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(151, 160, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 160, 209) }
```

Border

The CSS property to change the border of an element to XYZ 36.8419, 36.3244, 65.3911 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(151, 160, 209) }
```


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

```
.border{ border-color:rgb(151, 160, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 160, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 160, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 160, 209);  
box-shadow:4px 4px 4px 4px rgb(151, 160,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8419, 36.3244, 65.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 160, 209) }
```

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

```
.background{ background-color: rgb(151,  
160, 209) }
```

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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