

Converting Colors

XYZ(36.8320, 36.9117, 63.7207)

Have a look what the booklet for
XYZ(36.8320, 36.9117, 63.7207)
contains.

XYZ(36.8234, 36.8762, 63.5695)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.8234, 36.8762,
63.5695)**

Conversions

Conversions Part 1

Format	Color
Hex	97A2CE
RGB	151, 162, 206
RGB Percent	59%, 64%, 81%
CMY	0.4078, 0.3647, 0.1922
CMYK	0.27, 0.21, 0.00, 0.19
HSL	228°, 36%, 70%
HSV	228°, 27%, 81%
XYZ	36.8234, 36.8762, 63.5695
YIQ	163.7270, -20.6800, 11.3520

Conversions

Conversions Part 2

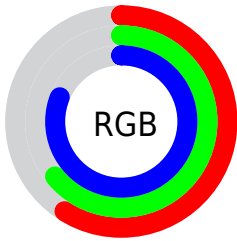
Format	Color
RYB	151, 160, 206
Decimal	9937614
CIELab	67.18, 5.95, -23.74
CIElCh	67, 24.471, 284.070
Yxy	36.8762, 0.2683, 0.2686
Android (android.graphics.Color)	4288127694 (0xFF97A2CE)
YUV	163.7270, 20.8406, -11.1616
Hunter-Lab	60.7258, 1.9702, -19.5584

Details

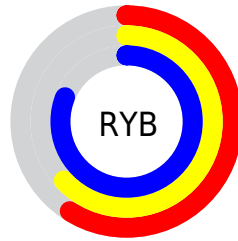
The XYZ color **36.8234, 36.8762, 63.5695** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.5551, 54.3867, 37.1124**, and the grayscale version is **35.0691, 36.8954, 40.1791**.

A 20% lighter version of the original color is **68.3165, 69.9675, 104.5122**, and **16.4975, 16.2885, 31.9802** is the 20% darker color. If you saturate the color by 10%, you get **30.6141, 29.6452, 62.5017**, and if you desaturate by 10%, it is **44.0835, 45.2154, 64.7971**.

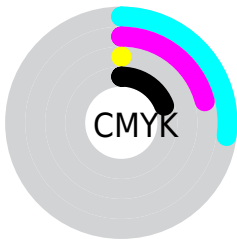
Distribution



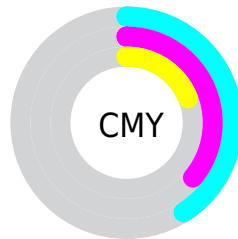
- Red (59%)
- Green (64%)
- Blue (81%)



- Red (59%)
- Yellow (63%)
- Blue (81%)



- Cyan (27%)
- Magenta (21%)
- Yellow (0%)
- Black (19%)



- Cyan (41%)
- Magenta (36%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8234, 36.8762, 63.5695 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 36.8234, 36.8762, 63.5695 by changing the saturation by 10% instead.

■ 36.8234, 36.8762,
63.5695

■ 36.8234, 36.8762,
63.5695

323.9141,
332.7742, 455.7981

■ 25.2438, 25.1117,
45.8581

■ 69.6167, 70.3823,
111.5842

■ 16.3885, 16.1603,
31.7860

■ 91.5611, 92.8927,
142.7246

■ 9.8921, 9.6376,
20.9347

117.6912,
119.7538, 179.1785

■ 5.3892, 5.1594,
12.8855

148.3723,
151.3501, 221.3643

■ 2.5145, 2.3411,
7.2199

183.9698,
188.0658, 269.7006

■ 0.9026, 0.7953,
3.5195

224.8491,

■ 0.0000, 0.0000,

230.2855, 324.6060

1.3656

271.3754,
278.3935, 386.4990

■ 0.0000, 0.0000,
0.1147

■ 0.0000, 0.0000,
0.0000

■ 36.8234, 36.8762,
63.5695

■ 36.8234, 36.8762,
63.5695

■ 30.6141, 29.6452,
62.5017

■ 44.0835, 45.2154,
64.7971

■ 25.4026, 23.4707,
61.5845

■ 52.4371, 54.7027,
66.1881

■ 21.1366, 18.3034,
60.8120

■ 61.9284, 65.3816,
67.7490

■ 17.7574, 14.0882,
60.1765

■ 72.5986, 77.2917,
69.4855

■ 15.1995, 10.7643,
59.6697

■ 84.4866, 90.4711,
71.4029

■ 13.3878, 8.2637,
59.2825

■ 88.1407, 97.2363,
72.5161

■ 12.2282, 6.5050,
59.0042

■ 11.9407, 6.0563,
58.9327

Harmonies

Analogous

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



33.1167, 36.8762, 63.3351



36.8234, 36.8762, 63.5695



40.2818, 36.8762, 56.8032

Triad

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



36.8234, 36.8762, 63.5695



40.4629, 36.8762, 27.4863



28.5919, 36.8762, 34.7709

Complementary

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



36.8234, 36.8762, 63.5695



50.5551, 54.3867, 37.1124

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.



30.2915, 36.8762, 27.1213



36.8234, 36.8762, 63.5695



37.0565, 36.8762, 23.4539

Square

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



36.8234, 36.8762, 63.5695



42.4818, 36.8762, 35.3600



33.3339, 36.8762, 23.3334



28.5393, 36.8762, 45.3583

Rectangle

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



36.8234, 36.8762, 63.5695



41.9079, 36.8762, 49.8264



33.3339, 36.8762, 23.3334



28.9839, 36.8762, 31.8185

Sweetspot

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



36.8246, 36.8777, 63.5703



82.9520, 86.3602, 106.9049



44.5816, 54.6215, 59.2821



17.2972, 17.9659, 22.8061



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.



36.8246, 36.8777, 63.5703



53.7254, 52.8563, 101.9784



38.0566, 34.7607, 63.0968



10.7805, 11.2013, 14.1643



7.4081, 3.8402, 36.3071



0.4369, 0.3076, 1.8913

Inverse Universe

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



43.0428, 37.8648, 39.2240



65.5242, 55.0063, 55.7196



48.9974, 57.3786, 37.7720



11.3025, 11.2498, 12.1278



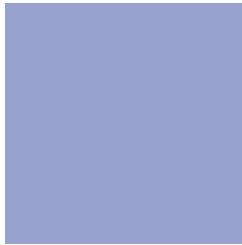
15.9502, 8.1907, 2.1904



0.8505, 0.4336, 0.2586

Previews

White Background



This preview shows how the XYZ color 36.8234, 36.8762, 63.5695 looks on a white background.

Color Contrast Check

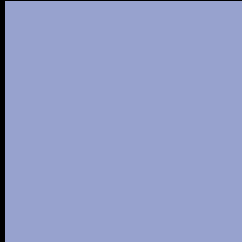
Large Text (above 18pt) WCAG AA × Fail

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 36.8234, 36.8762, 63.5695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

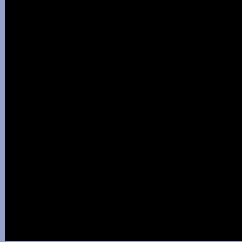
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8234, 36.8762, 63.5695

Background



This preview shows how black text looks on a background with the XYZ color 36.8234, 36.8762, 63.5695.



This preview shows how white text looks on a background with the XYZ color 36.8234, 36.8762,

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

36.8234, 36.8762, 63.5695

Protanopia

37.0098, 36.9723, 63.5783

Deuteranopia

37.6160, 36.7659, 63.5065



Tritanopia

33.9110, 37.0437, 48.5429

Trichromacy



Original Color

36.8234, 36.8762, 63.5695

Protanomaly

37.0098, 36.9723, 63.5783

Deuteranomaly

37.4030, 36.9145, 63.5464

Tritanomaly

34.8532, 36.8803, 53.4258

Monochromacy



Original Color

36.8234, 36.8762, 63.5695

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.5320, 36.8200, 47.8821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8234, 36.8762, 63.5695 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, 162, 206)` looks like.

```
.text, #text, p{  
    color:rgb(151, 162, 206)  
}
```

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, 162, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 162, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.8234, 36.8762, 63.5695 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, 162, 206) }
```


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

```
.border{ border-color:rgb(151, 162, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 162, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 162, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 162, 206); box-shadow:4px 4px 4px 4px rgb(151, 162, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8234, 36.8762, 63.5695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 162, 206) }
```

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

```
.background{ background-color: rgb(151,  
162, 206) }
```

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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