

Converting Colors

XYZ(37.4928, 32.1614, 68.5223)

Have a look what the booklet for
XYZ(37.4928, 32.1614, 68.5223)
contains.

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Color

**XYZ(37.6646, 32.3593,
68.5508)**

Conversions

Conversions Part 1

Format	Color
Hex	A68ED7
RGB	166, 142, 215
RGB Percent	65%, 56%, 84%
CMY	0.3490, 0.4431, 0.1569
CMYK	0.23, 0.34, 0.00, 0.16
HSL	260°, 48%, 70%
HSV	260°, 34%, 84%
XYZ	37.6646, 32.3593, 68.5508
YIQ	157.4980, -9.1290, 27.7910

Conversions

Conversions Part 2

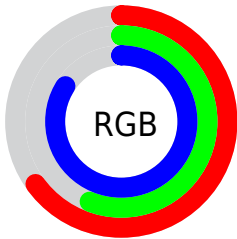
Format	Color
RYB	166, 142, 215
Decimal	10915543
CIELab	63.64, 23.99, -34.11
CIELCh	64, 41.696, 305.117
Yxy	32.3593, 0.2718, 0.2335
Android (android.graphics.Color)	4289105623 (0xFFA68ED7)
YUV	157.4980, 28.3485, 7.4563
Hunter-Lab	56.8852, 18.6385, -31.6290

Details

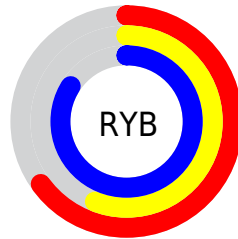
The XYZ color **37.6646, 32.3593, 68.5508** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.6697, 61.6310, 34.8179**, and the grayscale version is **32.1522, 33.8266, 36.8372**.

A 20% lighter version of the original color is **67.9141, 62.2295, 103.0398**, and **16.9824, 13.7031, 35.0076** is the 20% darker color. If you saturate the color by 10%, you get **31.9117, 25.0947, 67.4524**, and if you desaturate by 10%, it is **44.3762, 41.0353, 69.8723**.

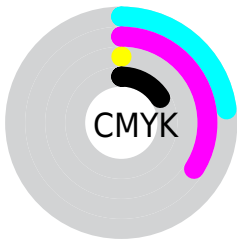
Distribution



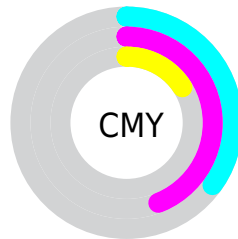
- Red (65%)
- Green (56%)
- Blue (84%)



- Red (65%)
- Yellow (56%)
- Blue (84%)



- Cyan (23%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)



- Cyan (35%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6646, 32.3593, 68.5508 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 37.6646, 32.3593, 68.5508 by changing the saturation by 10% instead.

■ 37.6646, 32.3593,
68.5508

■ 37.6646, 32.3593,
68.5508

327.4848,
312.7527, 474.0960

■ 25.8985, 21.6361,
49.8765

■ 70.9010, 63.3739,
118.8014

■ 16.8800, 13.5897,
34.9448

■ 93.1020, 84.4341,
151.2148

■ 10.2438, 7.8359,
23.3371

■ 119.5120,
109.7088, 189.0449

■ 5.6244, 3.9901,
14.6350

150.4964,
139.5823, 232.7104

■ 2.6565, 1.6680,
8.4199

186.4205,
174.4391, 282.6297

■ 0.9748, 0.4028,
4.2732

227.6497,

■ 0.0000, 0.0000,

214.6635, 339.2213

1.7764

274.5494,
260.6399, 402.9039

■ 0.0000, 0.0000,
0.4123

■ 0.0000, 0.0000,
0.0000

■ 37.6646, 32.3593,
68.5508

■ 37.6646, 32.3593,
68.5508

■ 31.9117, 25.0947,
67.4524

■ 44.3762, 41.0353,
69.8723

■ 27.0673, 19.1608,
66.5623

■ 52.0865, 51.1900,
71.4259

■ 23.0816, 14.4742,
65.8678

■ 60.8373, 62.8906,
73.2231

■ 19.8981, 10.9404,
65.3535

■ 70.6668, 76.1992,
75.2739

■ 17.4525, 8.4508,
65.0018

■ 81.6113, 91.1745,
77.5876

■ 15.6687, 6.8743,
64.7916

■ 88.3855, 97.2325,
78.3999

■ 14.8413, 6.2340,
64.7116

■ 89.2658, 97.6863,
78.4411

Harmonies

Analogous

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



31.7669, 32.3593, 77.8479



37.6646, 32.3593, 68.5508



42.0852, 32.3593, 50.5388

Triad

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



37.6646, 32.3593, 68.5508



35.7175, 32.3593, 13.4005



20.8896, 32.3593, 38.1746

Complementary

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



37.6646, 32.3593, 68.5508



50.6697, 61.6310, 34.8179

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.



21.6686, 32.3593, 23.3801



37.6646, 32.3593, 68.5508



29.7678, 32.3593, 11.9585

Square

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



37.6646, 32.3593, 68.5508



40.8652, 32.3593, 19.8073



24.7494, 32.3593, 14.9600



22.4696, 32.3593, 57.1109

Rectangle

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



37.6646, 32.3593, 68.5508



43.3295, 32.3593, 38.0374



24.7494, 32.3593, 14.9600



20.8866, 32.3593, 32.5714

Sweetspot

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



37.6657, 32.3606, 68.5515



81.4286, 81.6927, 106.0843



42.2461, 48.3062, 71.3879



17.0468, 16.9758, 22.6281



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.



37.6657, 32.3606, 68.5515



48.9930, 39.4688, 99.6438



46.1932, 36.7567, 68.9506



12.1233, 12.2050, 15.6543



8.9768, 3.7802, 38.7097



0.6275, 0.2724, 2.3388

Inverse Universe

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



47.1023, 37.5559, 54.0578



65.2199, 48.4172, 74.0549



42.7752, 57.5612, 34.4485



12.7713, 12.5600, 14.7361



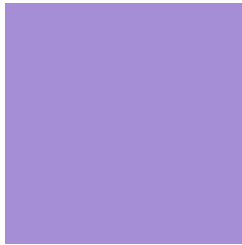
19.8381, 9.8716, 16.9833



1.2340, 0.6104, 1.2215

Previews

White Background



This preview shows how the XYZ color 37.6646, 32.3593, 68.5508 looks on a white background.

Color Contrast Check

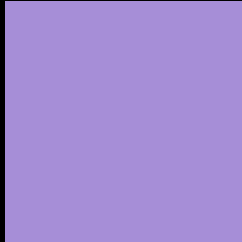
Large Text (above 18pt) WCAG AA × Fail

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 37.6646, 32.3593, 68.5508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

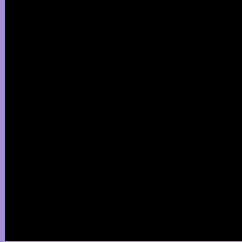
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6646, 32.3593, 68.5508

Background



This preview shows how black text looks on a background with the XYZ color 37.6646, 32.3593, 68.5508.



This preview shows how white text looks on a background with the XYZ color 37.6646, 32.3593,

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

37.6646, 32.3593, 68.5508

Protanopia

33.9076, 32.6095, 74.3192

Deuteranopia

33.2302, 32.4115, 67.4554



Tritanopia

31.8337, 32.3049, 39.6796

Trichromacy



Original Color

37.6646, 32.3593, 68.5508

Protanomaly

35.0098, 32.2764, 72.0949

Deuteranomaly

34.5816, 32.1458, 68.0005

Tritanomaly

33.6344, 32.0723, 49.2176

Monochromacy



Original Color

37.6646, 32.3593, 68.5508

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0629, 33.2882, 47.2778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6646, 32.3593, 68.5508 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(166, 142, 215)` looks like.

```
.text, #text, p{  
    color:rgb(166, 142, 215)  
}
```

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(166, 142, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 142, 215) }
```

Border

The CSS property to change the border of an element to XYZ 37.6646, 32.3593, 68.5508 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(166, 142, 215) }
```


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

```
.border{ border-color:rgb(166, 142, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 142, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 142, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 142, 215);  
box-shadow:4px 4px 4px 4px rgb(166, 142,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6646, 32.3593, 68.5508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 142, 215) }
```

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

```
.background{ background-color: rgb(166,  
142, 215) }
```

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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