

# Converting Colors

XYZ(36.7111, 32.3371, 81.7779)

Have a look what the booklet for  
XYZ(36.7111, 32.3371, 81.7779)  
contains.

<b>XYZ(36.6537, 32.2111, 82.1274)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(36.6537, 32.2111,  
82.1274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9191EA
RGB	145, 145, 234
RGB Percent	57%, 57%, 92%
CMY	0.4314, 0.4314, 0.0823
CMYK	0.38, 0.38, 0.00, 0.08
HSL	240°, 68%, 74%
HSV	240°, 38%, 92%
XYZ	36.6537, 32.2111, 82.1274
YIQ	155.1460, -28.5690, 27.6790

# Conversions

## Conversions Part 2

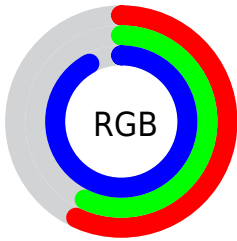
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	145, 145, 234
Decimal	9540074
CIE Lab	63.52, 21.19, -44.96
CIE LCh	64, 49.704, 295.240
Yxy	32.2111, 0.2428, 0.2133
Android (android.graphics.Color)	4287730154 (0xFF9191EA)
YUV	155.1460, 38.8750, -8.8980
Hunter-Lab	56.7548, 15.9589, -46.0676

# Details

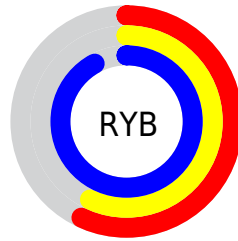
The XYZ color **36.6537, 32.2111, 82.1274** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.4658, 78.3830, 38.3101**, and the grayscale version is **31.0637, 32.6815, 35.5901**.

A 20% lighter version of the original color is **62.8305, 60.6234, 102.9977**, and **16.3445, 13.5724, 43.8778** is the 20% darker color. If you saturate the color by 10%, you get **29.7323, 23.8710, 80.8830**, and if you desaturate by 10%, it is **45.1630, 42.4640, 83.6585**.

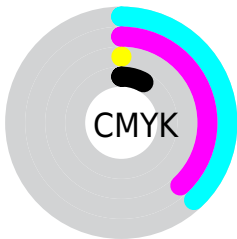
# Distribution



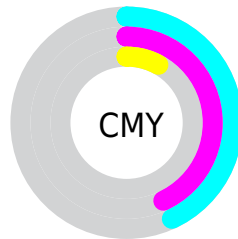
- Red (57%)
- Green (57%)
- Blue (92%)



- Red (57%)
- Yellow (57%)
- Blue (92%)



- Cyan (38%)
- Magenta (38%)
- Yellow (0%)
- Black (8%)



- Cyan (43%)
- Magenta (43%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6537, 32.2111, 82.1274 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 36.6537, 32.2111, 82.1274 by changing the saturation by 10% instead.



■ 36.6537, 32.2111,  
82.1274

■ 36.6537, 32.2111,  
82.1274

323.1904,  
312.0798, 521.9684

■ 25.1119, 21.5228,  
60.9341

■ 69.3571, 63.1419,  
138.1909

■ 16.2896, 13.5067,  
43.7418

■ 91.2495, 84.1531,  
173.8983

■ 9.8215, 7.7784,  
30.1319

117.3228,  
109.3742, 215.2807

■ 5.3421, 3.9535,  
19.6858

147.9424,  
139.1894, 262.7568

■ 2.4862, 1.6476,  
11.9851

183.4736,  
173.9831, 316.7451

■ 0.8883, 0.3894,  
6.6111

224.2817,

■ 0.0000, 0.0000,

214.1399, 377.6641

3.1454

270.7322,  
260.0439, 445.9323

■ 0.0000, 0.0000,  
1.1693

■ 0.0000, 0.0000,  
0.0000

■ 36.6537, 32.2111,  
82.1274

■ 36.6537, 32.2111,  
82.1274

■ 29.7323, 23.8710,  
80.8830

■ 45.1630, 42.4640,  
83.6585

■ 24.2971, 17.3219,  
79.9054

■ 55.3463, 54.7342,  
85.4902

■ 20.2404, 12.4339,  
79.1757

■ 67.2876, 69.1228,  
87.6381

■ 17.4386, 9.0579,  
78.6717

■ 81.0646, 85.7232,  
90.1162

■ 15.7457, 7.0181,  
78.3672

■ 91.8514, 98.7206,  
92.0564

■ 14.9590, 6.0702,  
78.2257

■ 14.8514, 5.9406,  
78.2064

# Harmonies

## Analogous

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



29.5238, 32.2111, 88.4743



36.6537, 32.2111, 82.1274



42.9136, 32.2111, 61.6254

# Triad

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



36.6537, 32.2111, 82.1274



38.8546, 32.2111, 12.1413



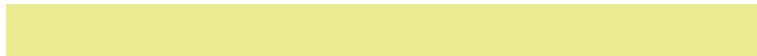
19.1681, 32.2111, 32.0015

# Complementary

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



36.6537, 32.2111, 82.1274



68.4658, 78.3830, 38.3101

# 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.



20.9251, 32.2111, 17.5099



36.6537, 32.2111, 82.1274



31.7342, 32.2111, 9.1386

# Square

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



36.6537, 32.2111, 82.1274



44.3127, 32.2111, 21.1916



25.2801, 32.2111, 10.6467



20.0792, 32.2111, 53.9824



# Rectangle

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



36.6537, 32.2111, 82.1274



45.3860, 32.2111, 45.7157



25.2801, 32.2111, 10.6467



19.4576, 32.2111, 26.2243

# Sweetspot

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



36.6549, 32.2123, 82.1282



77.1683, 78.4536, 105.6836



55.9520, 70.8067, 88.5606



16.0858, 16.2725, 22.5431



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.



36.6549, 32.2123, 82.1282



37.5273, 30.6888, 98.5534



46.0882, 37.0753, 82.5696



14.2313, 14.5490, 18.9804



8.3456, 3.3383, 43.9474



0.6553, 0.2621, 3.4509



# Inverse Universe

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



58.9091, 43.6848, 83.1692



68.3354, 46.5709, 99.9945



55.6451, 71.7736, 37.7101



15.7149, 15.3138, 19.0498



27.4133, 13.1680, 44.8391

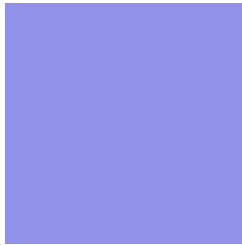


2.1526, 1.0340, 3.5210



# Previews

## White Background



This preview shows how the XYZ color 36.6537, 32.2111, 82.1274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

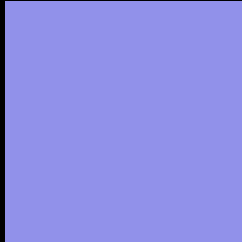
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6537, 32.2111, 82.1274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

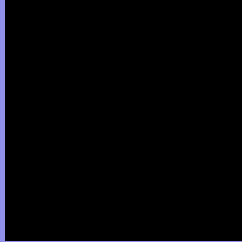
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 36.6537, 32.2111, 82.1274

## Background



This preview shows how black text looks on a background with the XYZ color 36.6537, 32.2111, 82.1274.



This preview shows how white text looks on a background with the XYZ color 36.6537, 32.2111,



# 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

36.6537, 32.2111, 82.1274

### Protanopia

34.5318, 32.4302, 86.1010

### Deuteranopia

33.1592, 32.3217, 80.8350



## Tritanopia

28.7835, 32.1398, 43.2146

# Trichromacy



**Original Color**

36.6537, 32.2111, 82.1274

**Protanomaly**

35.2394, 32.3551, 84.5086

**Deuteranomaly**

34.3667, 32.2079, 81.4962

**Tritanomaly**

31.1205, 31.8284, 55.5422

# Monochromacy



**Original Color**

36.6537, 32.2111, 82.1274

**Achromatopsia**

31.1553, 32.7778, 35.6950

**Achromatomaly**

32.4808, 32.1732, 49.8455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6537, 32.2111, 82.1274 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, 145, 234)` looks like.

```
.text, #text, p{  
    color:rgb(145, 145, 234)  
}
```

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, 145, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 145, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6537, 32.2111, 82.1274 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, 145, 234) }
```



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

```
.border{ border-color:rgb(145, 145, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 145, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 145, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 145, 234);  
box-shadow:4px 4px 4px 4px rgb(145, 145,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6537, 32.2111, 82.1274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 145, 234) }
```

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

```
.background{ background-color: rgb(145,  
145, 234) }
```

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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