

Converting Colors

XYZ(37.0831, 29.2375, 82.2886)

Have a look what the booklet for
XYZ(37.0831, 29.2375, 82.2886)
contains.

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Color

**XYZ(37.0786, 29.2325,
82.2854)**

Conversions

Conversions Part 1

Format	Color
Hex	9E82EB
RGB	158, 130, 235
RGB Percent	62%, 51%, 92%
CMY	0.3804, 0.4902, 0.0784
CMYK	0.33, 0.45, 0.00, 0.08
HSL	256°, 72%, 72%
HSV	256°, 45%, 92%
XYZ	37.0786, 29.2325, 82.2854
YIQ	150.3420, -17.0170, 38.5910

Conversions

Conversions Part 2

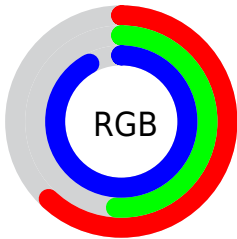
Format	Color
RYB	158, 130, 235
Decimal	10388203
CIELab	60.99, 33.50, -49.44
CIElCh	61, 59.721, 304.125
Yxy	29.2325, 0.2495, 0.1967
Android (android.graphics.Color)	4288578283 (0xFF9E82EB)
YUV	150.3420, 41.7364, 6.7161
Hunter-Lab	54.0671, 27.7959, -52.3873

Details

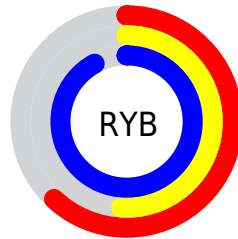
The XYZ color **37.0786, 29.2325, 82.2854** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **59.4699, 74.2941, 32.3258**, and the grayscale version is **28.9690, 30.4776, 33.1901**.

A 20% lighter version of the original color is **63.0078, 55.5340, 102.0060**, and **16.5989, 11.8756, 44.0652** is the 20% darker color. If you saturate the color by 10%, you get **31.1470, 22.0528, 81.2127**, and if you desaturate by 10%, it is **44.2015, 38.0869, 83.6196**.

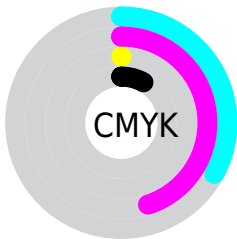
Distribution



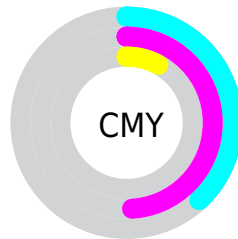
- Red (62%)
- Green (51%)
- Blue (92%)



- Red (62%)
- Yellow (51%)
- Blue (92%)



- Cyan (33%)
- Magenta (45%)
- Yellow (0%)
- Black (8%)



- Cyan (38%)
- Magenta (49%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0786, 29.2325, 82.2854 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 37.0786, 29.2325, 82.2854 by changing the saturation by 10% instead.

37.0786, 29.2325,
82.2854

37.0786, 29.2325,
82.2854

325.0003,
298.3104, 522.5103

25.4423, 19.2568,
61.0636

70.0067, 58.4463,
138.4144

16.5374, 11.8560,
43.8456

92.0292, 78.4531,
174.1588

9.9985, 6.6457,
30.2129

118.2445,
102.5725, 215.5810

5.4602, 3.2415,
19.7468

149.0180,
131.1887, 263.0998

2.5572, 1.2591,
12.0289

184.7149,
164.6862, 317.1335

0.9242, 0.1092,
6.6406

225.7007,

0.0000, 0.0000,

203.4494, 378.1009

3.1633

272.3407,
247.8627, 446.4203

■ 0.0000, 0.0000,
1.1786

■ 0.0000, 0.0000,
0.0000

■ 37.0786, 29.2325,
82.2854

■ 37.0786, 29.2325,
82.2854

■ 31.1470, 22.0528,
81.2127

■ 44.2015, 38.0869,
83.6196

■ 26.3344, 16.4358,
80.3822

■ 52.5755, 48.7114,
85.2290

■ 22.5655, 12.2609,
79.7750

■ 62.2601, 61.1980,
87.1287

■ 19.7531, 9.3875,
79.3686

■ 73.3102, 75.6314,
89.3322

■ 17.7936, 7.6450,
79.1356

■ 85.7770, 92.0910,
91.8522

■ 17.0244, 7.0441,
79.0601

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



28.8777, 29.2325, 96.7871



37.0786, 29.2325, 82.2854



43.5856, 29.2325, 54.5010

Triad

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



37.0786, 29.2325, 82.2854



34.8590, 29.2325, 6.7107



15.3473, 29.2325, 35.0207

Complementary

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



37.0786, 29.2325, 82.2854



59.4699, 74.2941, 32.3258

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.



16.3549, 29.2325, 16.5204



37.0786, 29.2325, 82.2854



26.7195, 29.2325, 5.3314

Square

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



37.0786, 29.2325, 82.2854



42.1449, 29.2325, 13.2990



20.1900, 29.2325, 7.8660



17.1245, 29.2325, 62.5266

Rectangle

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



37.0786, 29.2325, 82.2854



45.5380, 29.2325, 36.4325



20.1900, 29.2325, 7.8660



15.3742, 29.2325, 27.6310

Sweetspot

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



37.0797, 29.2336, 82.2861



76.9866, 76.3204, 105.2814



46.5149, 55.3704, 86.8337



15.8826, 15.5619, 22.4166



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.



37.0797, 29.2336, 82.2861



37.7770, 26.8848, 97.8060



49.6997, 35.7394, 82.8767



14.6080, 14.7432, 18.9980



9.5779, 3.9735, 44.0051



0.8408, 0.3578, 3.4596

Inverse Universe

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



53.5065, 38.1332, 63.5714



60.3276, 39.1291, 70.8934



47.1601, 67.9482, 31.7497



15.5334, 15.2412, 18.0941



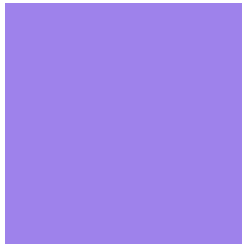
23.2853, 11.5168, 23.1017



1.8680, 0.9201, 2.0221

Previews

White Background



This preview shows how the XYZ color 37.0786, 29.2325, 82.2854 looks on a white background.

Color Contrast Check

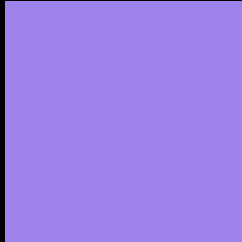
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0786, 29.2325, 82.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

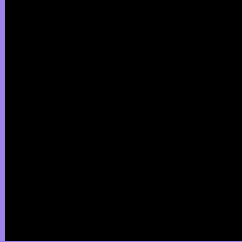
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0786, 29.2325, 82.2854

Background



This preview shows how black text looks on a background with the XYZ color 37.0786, 29.2325, 82.2854.



This preview shows how white text looks on a background with the XYZ color 37.0786, 29.2325,

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

37.0786, 29.2325, 82.2854

Protanopia

32.5101, 29.6074, 92.8083

Deuteranopia

30.2244, 29.4037, 79.6838



Tritanopia

27.8471, 29.1214, 36.9542

Trichromacy



Original Color

37.0786, 29.2325, 82.2854

Protanomaly

33.5787, 29.1473, 88.6502

Deuteranomaly

32.1164, 29.0135, 80.2514

Tritanomaly

30.7073, 28.9335, 50.9800

Monochromacy



Original Color

37.0786, 29.2325, 82.2854

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.2998, 29.7534, 47.8094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0786, 29.2325, 82.2854 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(158, 130, 235)` looks like.

```
.text, #text, p{  
    color:rgb(158, 130, 235)  
}
```

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(158, 130, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 130, 235) }
```

Border

The CSS property to change the border of an element to XYZ 37.0786, 29.2325, 82.2854 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(158, 130, 235) }
```


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

```
.border{ border-color:rgb(158, 130, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 130, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 130, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 130, 235);  
box-shadow:4px 4px 4px 4px rgb(158, 130,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0786, 29.2325, 82.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 130, 235) }
```

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

```
.background{ background-color: rgb(158,  
130, 235) }
```

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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