

Converting Colors

XYZ(36.3473, 27.1633, 82.5890)

Have a look what the booklet for
XYZ(36.3473, 27.1633, 82.5890)
contains.

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Color

**XYZ(36.2758, 27.1018,
82.6761)**

Conversions

Conversions Part 1

Format	Color
Hex	9F79EC
RGB	159, 121, 236
RGB Percent	62%, 47%, 93%
CMY	0.3765, 0.5255, 0.0745
CMYK	0.33, 0.49, 0.00, 0.07
HSL	260°, 75%, 70%
HSV	260°, 49%, 93%
XYZ	36.2758, 27.1018, 82.6761
YIQ	145.4720, -14.2670, 43.8210

Conversions

Conversions Part 2

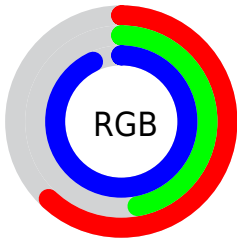
Format	Color
R_{YB}	159, 121, 236
Decimal	10451436
CIE _{Lab}	59.07, 39.11, -53.03
CIE _{LCh}	59, 65.897, 306.411
Yxy	27.1018, 0.2484, 0.1856
Android (android.graphics.Color)	4288641516 (0xFF9F79EC)
YUV	145.4720, 44.6303, 11.8641
Hunter-Lab	52.0594, 33.2777, -57.7175

Details

The XYZ color **36.2758, 27.1018, 82.6761** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.7355, 73.3775, 29.2629**, and the grayscale version is **26.9347, 28.3374, 30.8594**.

A 20% lighter version of the original color is **61.5050, 52.0910, 101.4207**, and **15.9834, 10.6447, 43.8600** is the 20% darker color. If you saturate the color by 10%, you get **30.8151, 20.5378, 81.6974**, and if you desaturate by 10%, it is **42.8407, 35.2771, 83.9086**.

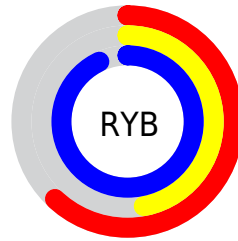
Distribution



Red (62%)

Green (47%)

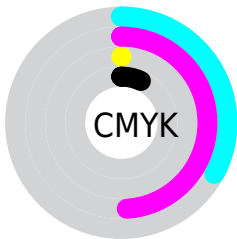
Blue (93%)



Red (62%)

Yellow (47%)

Blue (93%)

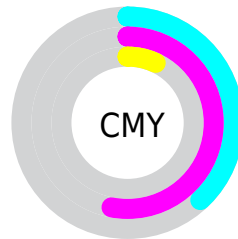


Cyan (33%)

Magenta (49%)

Yellow (0%)

Black (7%)



Cyan (38%)

Magenta (53%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2758, 27.1018, 82.6761 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 36.2758, 27.1018, 82.6761 by changing the saturation by 10% instead.

36.2758, 27.1018,
82.6761

36.2758, 27.1018,
82.6761

321.5747,
288.1497, 523.8491

24.8184, 17.6497,
61.3839

68.7786, 55.0472,
138.9669

16.0698, 10.6988,
44.1025

90.5548, 74.3092,
174.8026

9.6647, 5.8647,
30.4133

116.5011, 97.6101,
216.3232

5.2378, 2.7630,
19.8978

146.9832,
125.3341, 263.9473

2.4236, 1.0093,
12.1374

182.3662,
157.8657, 318.0934

0.8569, 0.0000,
6.7137

223.0155,

0.0000, 0.0000,

195.5892, 379.1800

3.2080

269.2966,
238.8891, 447.6258

■ 0.0000, 0.0000,
1.2018

■ 0.0000, 0.0000,
0.0000

■ 36.2758, 27.1018,
82.6761

■ 36.2758, 27.1018,
82.6761

■ 30.8151, 20.5378,
81.6974

■ 42.8407, 35.2771,
83.9086

■ 26.3882, 15.4702,
80.9526

■ 50.5675, 45.1617,
85.4093

■ 22.9209, 11.7732,
80.4218

■ 59.5137, 56.8491,
87.1936

■ 20.3259, 9.2978,
80.0807

■ 69.7319, 70.4251,
89.2755

■ 18.4810, 7.8267,
79.8940

■ 81.2712, 85.9698,
91.6678

■ 18.2812, 7.6753,
79.8753

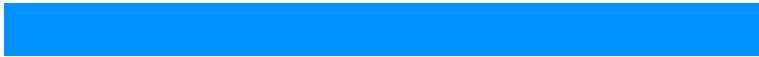
■ 91.7047, 98.6116,
93.5580

■ 92.1404, 98.8362,
93.5784

Harmonies

Analogous

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



27.5569, 27.1018, 100.7842



36.2758, 27.1018, 82.6761



43.0417, 27.1018, 51.4711

Triad

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



36.2758, 27.1018, 82.6761



32.5847, 27.1018, 4.4786



13.0714, 27.1018, 34.8332

Complementary

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



36.2758, 27.1018, 82.6761



56.7355, 73.3775, 29.2629

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.



13.8609, 27.1018, 14.8975



36.2758, 27.1018, 82.6761



24.0419, 27.1018, 3.5585

Square

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



36.2758, 27.1018, 82.6761



40.6145, 27.1018, 10.0263



17.5016, 27.1018, 6.0684



15.0562, 27.1018, 65.1625

Rectangle

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



36.2758, 27.1018, 82.6761



44.8755, 27.1018, 32.4220



17.5016, 27.1018, 6.0684



13.0285, 27.1018, 26.7764

Sweetspot

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



36.2769, 27.1028, 82.6767



75.2361, 73.4391, 104.8175



43.5841, 51.2377, 86.9501



15.5684, 15.0106, 22.3267



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.



36.2769, 27.1028, 82.6767



37.0233, 24.8215, 97.4474



49.9782, 34.1661, 83.3180



14.7001, 14.7907, 19.0024



10.1987, 4.2936, 44.0342



0.8991, 0.3878, 3.4623

Inverse Universe

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



51.6229, 35.5855, 57.5736



57.6641, 36.2586, 62.4324



44.6170, 67.1302, 28.6958



15.4909, 15.2242, 17.8703



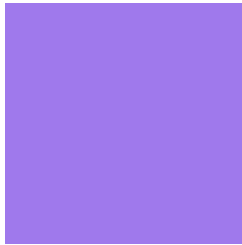
22.5326, 11.2157, 19.1378



1.8135, 0.8984, 1.7352

Previews

White Background



This preview shows how the XYZ color 36.2758, 27.1018, 82.6761 looks on a white background.

Color Contrast Check

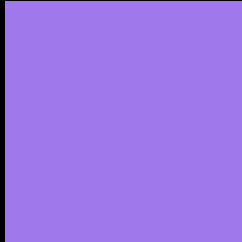
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2758, 27.1018, 82.6761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

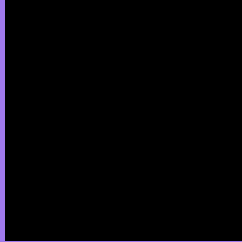
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2758, 27.1018, 82.6761

Background



This preview shows how black text looks on a background with the XYZ color 36.2758, 27.1018, 82.6761.



This preview shows how white text looks on a background with the XYZ color 36.2758, 27.1018,

82.6761.

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

36.2758, 27.1018, 82.6761

Protanopia

30.9379, 27.3927, 96.5852

Deuteranopia

28.1767, 27.4407, 79.4128



Tritanopia

26.3477, 27.0675, 33.5416

Trichromacy



Original Color

36.2758, 27.1018, 82.6761

Protanomaly

31.9792, 26.7953, 91.4822

Deuteranomaly

30.1820, 26.7218, 80.6579

Tritanomaly

29.2851, 26.7650, 48.4224

Monochromacy



Original Color

36.2758, 27.1018, 82.6761

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.4177, 27.3067, 45.8397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2758, 27.1018, 82.6761 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(159, 121, 236)` looks like.

```
.text, #text, p{  
    color:rgb(159, 121, 236)  
}
```

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(159, 121, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 121, 236) }
```

Border

The CSS property to change the border of an element to XYZ 36.2758, 27.1018, 82.6761 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(159, 121, 236) }
```


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

```
.border{ border-color:rgb(159, 121, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 121, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 121, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 121, 236);  
box-shadow:4px 4px 4px 4px rgb(159, 121,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2758, 27.1018, 82.6761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 121, 236) }
```

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

```
.background{ background-color: rgb(159,  
121, 236) }
```

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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