

Converting Colors

XYZ(38.0202, 34.1887, 86.7998)

Have a look what the booklet for
XYZ(38.0202, 34.1887, 86.7998)
contains.

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Color

**XYZ(38.1225, 34.2641,
87.0424)**

Conversions

Conversions Part 1

Format	Color
Hex	8F97F0
RGB	143, 151, 240
RGB Percent	56%, 59%, 94%
CMY	0.4392, 0.4078, 0.0588
CMYK	0.40, 0.37, 0.00, 0.06
HSL	235°, 76%, 75%
HSV	235°, 40%, 94%
XYZ	38.1225, 34.2641, 87.0424
YIQ	158.7540, -33.3370, 25.9830

Conversions

Conversions Part 2

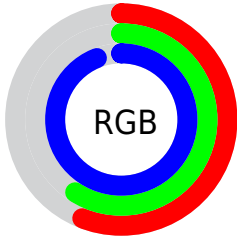
Format	Color
R _Y B	143, 150, 240
Decimal	9410544
CIE _{Lab}	65.17, 18.86, -45.67
CIE _{LCh}	65, 49.408, 292.440
Y _{xy}	34.2641, 0.2391, 0.2149
Android (android.graphics.Color)	4287600624 (0xFF8F97F0)
Y _{UV}	158.7540, 40.0543, -13.8163
Hunter-Lab	58.5355, 13.8147, -47.1894

Details

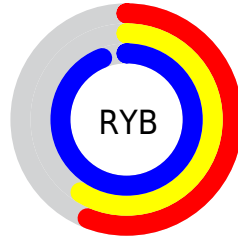
The XYZ color **38.1225, 34.2641, 87.0424** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.7512, 78.2236, 37.4108**, and the grayscale version is **32.6774, 34.3792, 37.4389**.

A 20% lighter version of the original color is **63.7007, 63.1620, 103.4418**, and **17.0349, 14.5595, 46.7122** is the 20% darker color. If you saturate the color by 10%, you get **31.1844, 25.9091, 85.7961**, and if you desaturate by 10%, it is **46.6137, 44.4035, 88.5526**.

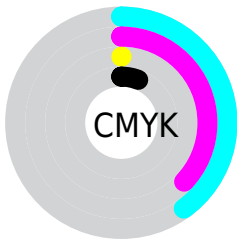
Distribution



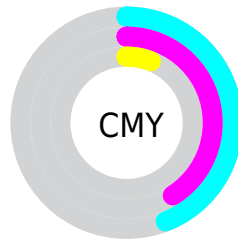
- Red (56%)
- Green (59%)
- Blue (94%)



- Red (56%)
- Yellow (59%)
- Blue (94%)



- Cyan (40%)
- Magenta (37%)
- Yellow (0%)
- Black (6%)



- Cyan (44%)
- Magenta (41%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1225, 34.2641, 87.0424 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 38.1225, 34.2641, 87.0424 by changing the saturation by 10% instead.

■ 38.1225, 34.2641,
87.0424

■ 38.1225, 34.2641,
87.0424

329.4169,
321.3081, 538.6820

■ 26.2554, 23.0966,
64.9705

■ 71.5985, 66.3442,
145.1226

■ 17.1485, 14.6648,
46.9859

■ 93.9382, 88.0255,
181.9680

■ 10.4364, 8.5845,
32.6703

120.4995,
113.9801, 224.5749

■ 5.7537, 4.4712,
21.6049

151.6477,
144.5926, 273.3620

■ 2.7351, 1.9405,
13.3714

187.7482,
180.2472, 328.7477

■ 1.0153, 0.5725,
7.5510

229.1663,

■ 0.0000, 0.0000,

221.3284, 391.1506

3.7254

276.2675,
268.2206, 460.9891

■ 0.0000, 0.0000,
1.4759

■ 0.0000, 0.0000,
0.1999

■ 38.1225, 34.2641,
87.0424

■ 38.1225, 34.2641,
87.0424

■ 31.1844, 25.9091,
85.7961

■ 46.6137, 44.4035,
88.5526

■ 25.7016, 19.2315,
84.7961

■ 56.7405, 56.4186,
90.3380

■ 21.5708, 14.1185,
84.0269

■ 68.5839, 70.3988,
92.4123

■ 18.6737, 10.4417,
83.4699

■ 82.2185, 86.4269,
94.7874

■ 16.8711, 8.0523,
83.1037

■ 92.7283, 99.0713,
96.6741

■ 15.9747, 6.7842,
82.9062

Harmonies

Analogous

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



30.7854, 34.2641, 91.7850



38.1225, 34.2641, 87.0424



44.7740, 34.2641, 66.9503

Triad

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



38.1225, 34.2641, 87.0424



41.7222, 34.2641, 13.9332



20.7153, 34.2641, 32.3470

Complementary

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



38.1225, 34.2641, 87.0424



69.7512, 78.2236, 37.4108

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.



22.8086, 34.2641, 18.0327



38.1225, 34.2641, 87.0424



34.4161, 34.2641, 10.2471

Square

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



38.1225, 34.2641, 87.0424



47.0560, 34.2641, 24.1662



27.5793, 34.2641, 11.4074



21.4069, 34.2641, 54.5146

Rectangle

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



38.1225, 34.2641, 87.0424



47.5715, 34.2641, 50.5439



27.5793, 34.2641, 11.4074



21.1045, 34.2641, 26.6112

Sweetspot

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



38.1238, 34.2654, 87.0432



76.3627, 78.0274, 105.6438



57.0426, 73.9822, 87.5562



15.9481, 16.2334, 22.5428



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.



38.1238, 34.2654, 87.0432



37.4362, 31.7268, 98.7585



45.1799, 36.0564, 87.0170



15.0020, 15.4381, 19.9108



8.7826, 3.7895, 45.3964



0.7665, 0.3869, 3.7885

Inverse Universe

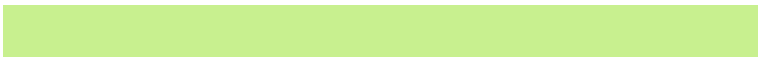
The Inverse Universe completely reimagines the original color for something new.



51.3447, 40.4061, 34.3722



54.5075, 39.8996, 30.6931



59.8275, 76.5263, 37.6062



15.8257, 15.7800, 16.6383



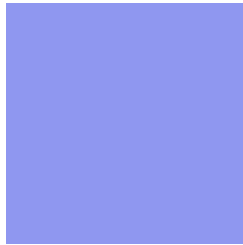
19.7587, 10.1759, 1.3799



1.6618, 0.8538, 0.2100

Previews

White Background



This preview shows how the XYZ color 38.1225, 34.2641, 87.0424 looks on a white background.

Color Contrast Check

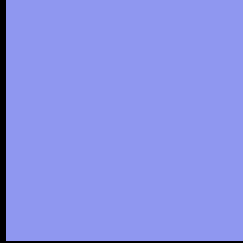
Large Text (above 18pt) WCAG AA × Fail

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 38.1225, 34.2641, 87.0424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

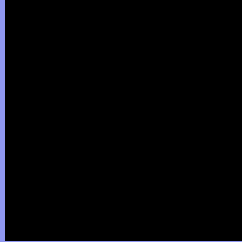
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1225, 34.2641, 87.0424

Background



This preview shows how black text looks on a background with the XYZ color 38.1225, 34.2641, 87.0424.



This preview shows how white text looks on a background with the XYZ color 38.1225, 34.2641,

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

38.1225, 34.2641, 87.0424

Protanopia

36.5032, 34.3494, 89.5002

Deuteranopia

35.3827, 34.3390, 86.4246



Tritanopia

29.9637, 34.2373, 46.6242

Trichromacy



Original Color

38.1225, 34.2641, 87.0424

Protanomaly

37.0983, 34.4275, 88.6943

Deuteranomaly

36.2034, 34.2639, 86.3668

Tritanomaly

32.4963, 33.9530, 59.4844

Monochromacy



Original Color

38.1225, 34.2641, 87.0424

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.1024, 34.1801, 52.3770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1225, 34.2641, 87.0424 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(143, 151, 240)` looks like.

```
.text, #text, p{  
    color:rgb(143, 151, 240)  
}
```

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(143, 151, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 151, 240) }
```

Border

The CSS property to change the border of an element to XYZ 38.1225, 34.2641, 87.0424 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(143, 151, 240) }
```


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

```
.border{ border-color:rgb(143, 151, 240) }
```

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

Here you see how a box with a 4 pixel rgb(143, 151, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 151, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 151, 240);  
box-shadow:4px 4px 4px 4px rgb(143, 151,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1225, 34.2641, 87.0424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 151, 240) }
```

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

```
.background{ background-color: rgb(143,  
151, 240) }
```

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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