

Converting Colors

XYZ(38.7284, 25.1017, 97.4116)

Have a look what the booklet for
XYZ(38.7284, 25.1017, 97.4116)
contains.

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Color

**XYZ(38.6261, 25.0275,
97.4027)**

Conversions

Conversions Part 1

Format	Color
Hex	A667FF
RGB	166, 103, 255
RGB Percent	65%, 40%, 100%
CMY	0.3490, 0.5961, 0.0000
CMYK	0.35, 0.60, 0.00, 0.00
HSL	265°, 100%, 70%
HSV	265°, 60%, 100%
XYZ	38.6261, 25.0275, 97.4027
YIQ	139.1650, -11.2440, 60.6280

Conversions

Conversions Part 2

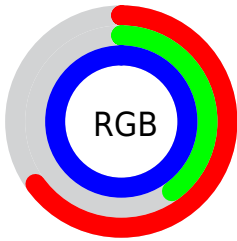
Format	Color
R _Y B	166, 103, 255
Decimal	10905599
CIE _{Lab}	57.10, 55.26, -66.67
CIE _{LCh}	57, 86.593, 309.653
Y _{xy}	25.0275, 0.2398, 0.1554
Android (android.graphics.Color)	4289095679 (0xFFA667FF)
Y _{UV}	139.1650, 57.1067, 23.5343
Hunter-Lab	50.0275, 50.2713, -80.4174

Details

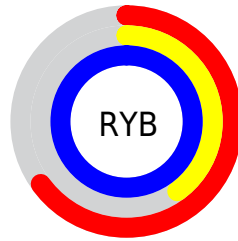
The XYZ color **38.6261, 25.0275, 97.4027** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **59.9462, 83.7056, 25.8299**, and the grayscale version is **24.3952, 25.6657, 27.9499**.

A 20% lighter version of the original color is **61.1583, 47.3415, 100.5222**, and **17.4462, 9.5870, 53.7543** is the 20% darker color. If you saturate the color by 10%, you get **33.5152, 19.1846, 96.5443**, and if you desaturate by 10%, it is **44.8755, 32.6055, 98.5360**.

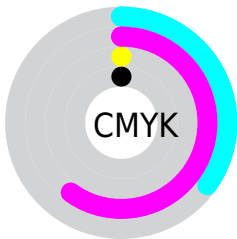
Distribution



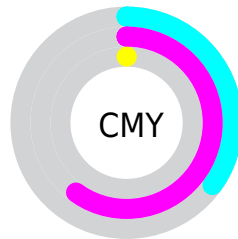
- Red (65%)
- Green (40%)
- Blue (100%)



- Red (65%)
- Yellow (40%)
- Blue (100%)



- Cyan (35%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6261, 25.0275, 97.4027 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 38.6261, 25.0275, 97.4027 by changing the saturation by 10% instead.

38.6261, 25.0275,
97.4027

38.6261, 25.0275,
97.4027

331.5328,
277.9749, 573.0084

26.6484, 16.0975,
73.5285

72.3645, 51.7018,
159.6039

17.4446, 9.5932,
53.9137

94.8559, 70.2150,
198.7679

10.6492, 5.1301,
38.1400

121.5826, 92.6914,
243.8657

5.8970, 2.3238,
25.7887

152.9100,
119.5153, 295.3156

2.8226, 0.7863,
16.4413

189.2033,
151.0712, 353.5363

1.0607, 0.0000,
9.6792

230.8280,

0.0000, 0.0000,

187.7435, 418.9463

5.0840

278.1494,
229.9166, 491.9641

■ 0.0000, 0.0000,
2.2370

■ 0.0000, 0.0000,
0.6956

■ 38.6261, 25.0275,
97.4027

■ 38.6261, 25.0275,
97.4027

■ 33.5152, 19.1846,
96.5443

■ 44.8755, 32.6055,
98.5360

■ 29.4546, 14.9224,
95.9356

■ 52.3358, 42.0496,
99.9657

■ 26.3455, 12.0615,
95.5473

■ 61.0763, 53.4806,
101.7115

■ 24.0383, 10.3232,
95.3334

■ 71.1600, 67.0082,
103.7911

■ 23.9576, 10.2655,
95.3265

■ 82.6452, 82.7339,
106.2211

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



27.2304, 25.0275, 128.5935



38.6261, 25.0275, 97.4027



47.3211, 25.0275, 51.8167

Triad

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



38.6261, 25.0275, 97.4027



31.2793, 25.0275, 1.2277



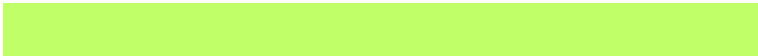
9.2188, 25.0275, 37.7958

Complementary

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



38.6261, 25.0275, 97.4027



59.9462, 83.7056, 25.8299

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.



9.7308, 25.0275, 12.0152



38.6261, 25.0275, 97.4027



20.6485, 25.0275, 0.9148

Square

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



38.6261, 25.0275, 97.4027



42.3077, 25.0275, 4.8261



13.3393, 25.0275, 2.8480



11.6578, 25.0275, 81.1039

Rectangle

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



38.6261, 25.0275, 97.4027



49.2826, 25.0275, 27.5920



13.3393, 25.0275, 2.8480



9.0721, 25.0275, 26.9122

Sweetspot

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



38.6271, 25.0283, 97.4028



72.9096, 69.3845, 104.1575



42.9803, 48.7768, 101.7573



14.9332, 13.9390, 22.1534



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.



38.6271, 25.0283, 97.4028



32.4513, 18.0269, 96.3769



58.7679, 35.4113, 98.3454



17.7163, 17.7455, 22.7414



12.6786, 5.4465, 49.8176



1.3552, 0.5926, 4.8562

Inverse Universe

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



55.6047, 34.7667, 53.6483



51.6453, 29.0681, 45.4834



45.7070, 76.3650, 25.1635



18.4555, 18.1655, 21.0159



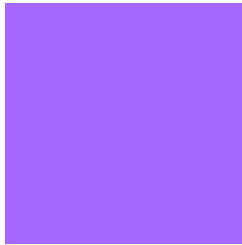
24.4722, 12.2782, 16.4032



2.4372, 1.2173, 1.8837

Previews

White Background



This preview shows how the XYZ color 38.6261, 25.0275, 97.4027 looks on a white background.

Color Contrast Check

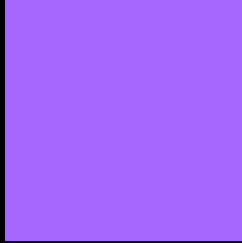
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6261, 25.0275, 97.4027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

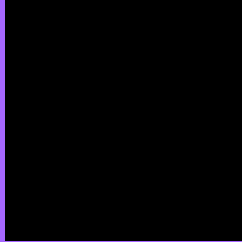
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6261, 25.0275, 97.4027

Background



This preview shows how black text looks on a background with the XYZ color 38.6261, 25.0275, 97.4027.



This preview shows how white text looks on a background with the XYZ color 38.6261, 25.0275,

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

38.6261, 25.0275, 97.4027

Protanopia

29.1100, 25.3728, 97.9709

Deuteranopia

26.1213, 25.2323, 91.4893



Tritanopia

24.8868, 24.9035, 29.8807

Trichromacy



Original Color

38.6261, 25.0275, 97.4027



Protanomaly

30.9534, 24.2032, 97.6480



Deuteranomaly

26.8961, 22.9477, 93.4542



Tritanomaly

28.4972, 24.2059, 48.5176

Monochromacy



Original Color

38.6261, 25.0275, 97.4027



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

28.1958, 24.6475, 46.9874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6261, 25.0275, 97.4027 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, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 103, 255)  
}
```

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, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 103, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.6261, 25.0275, 97.4027 is called "border". The border property can be set on classes, ids or directly on the HTML element.

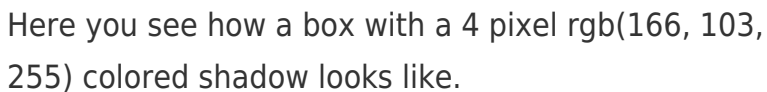
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 103, 255) }
```


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

```
.border{ border-color:rgb(166, 103, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 103, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 103, 255); box-shadow:4px 4px 4px 4px rgb(166, 103, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6261, 25.0275, 97.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 103, 255) }
```

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

```
.background{ background-color: rgb(166,  
103, 255) }
```

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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