

Converting Colors

XYZ(42.5760, 36.5663, 88.8352)

Have a look what the booklet for
XYZ(42.5760, 36.5663, 88.8352)
contains.

XYZ(42.6107, 36.5434, 88.8121)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.6107, 36.5434,
88.8121)**

Conversions

Conversions Part 1

Format	Color
Hex	A597F2
RGB	165, 151, 242
RGB Percent	65%, 59%, 95%
CMY	0.3529, 0.4078, 0.0510
CMYK	0.32, 0.38, 0.00, 0.05
HSL	249°, 78%, 77%
HSV	249°, 38%, 95%
XYZ	42.6107, 36.5434, 88.8121
YIQ	165.5600, -20.8670, 31.2690

Conversions

Conversions Part 2

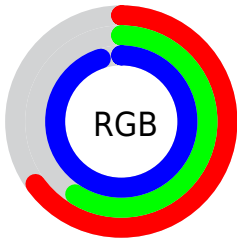
Format	Color
R _Y B	165, 151, 242
Decimal	10852338
CIE Lab	66.93, 25.20, -43.88
CIE LCh	67, 50.603, 299.874
Yxy	36.5434, 0.2537, 0.2176
Android (android.graphics.Color)	4289042418 (0xFFA597F2)
YUV	165.5600, 37.6849, -0.4911
Hunter-Lab	60.4511, 20.0313, -44.7904

Details

The XYZ color **42.6107, 36.5434, 88.8121** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.3335, 82.2332, 41.4978**, and the grayscale version is **35.8659, 37.7337, 41.0920**.

A 20% lighter version of the original color is **70.0055, 66.4122, 103.7369**, and **19.7445, 15.9321, 47.9335** is the 20% darker color. If you saturate the color by 10%, you get **35.1849, 27.5156, 87.4616**, and if you desaturate by 10%, it is **51.5204, 47.5241, 90.4627**.

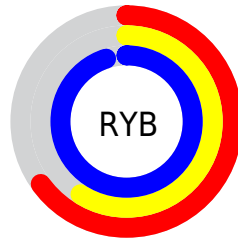
Distribution



Red (65%)

Green (59%)

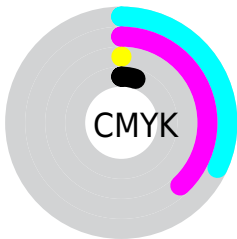
Blue (95%)



Red (65%)

Yellow (59%)

Blue (95%)

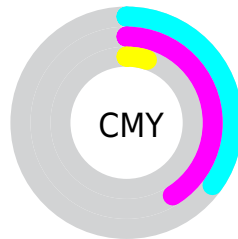


Cyan (32%)

Magenta (38%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (41%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6107, 36.5434, 88.8121 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 42.6107, 36.5434, 88.8121 by changing the saturation by 10% instead.

■ 42.6107, 36.5434,
88.8121

■ 42.6107, 36.5434,
88.8121

347.9570,
331.3294, 544.6291

■ 29.7730, 24.8542,
66.4277

■ 78.3824, 69.8700,
147.6083

■ 19.8136, 15.9684,
48.1610

■ 102.0472, 92.2761,
184.8572

■ 12.3671, 9.5018,
33.5935

130.0516,
119.0233, 227.8979

■ 7.0682, 5.0699,
22.3067

162.7611,
150.4960, 277.1491

■ 3.5515, 2.2883,
13.8819

200.5411,
187.0786, 333.0293

■ 1.4517, 0.7675,
7.9008

243.7568,

■ 0.2926, 0.0000,

229.1554, 395.9570

3.9447

292.7737,
277.1109, 466.3508

■ 0.0000, 0.0000,
1.5950

■ 0.0000, 0.0000,
0.2873

■ 42.6107, 36.5434,
88.8121

■ 42.6107, 36.5434,
88.8121

■ 35.1849, 27.5156,
87.4616

■ 51.5204, 47.5241,
90.4627

■ 29.1574, 20.3214,
86.3907

■ 61.9852, 60.5592,
92.4271

■ 24.4397, 14.8346,
85.5803

■ 74.0766, 75.7482,
94.7216

■ 20.9315, 10.9115,
85.0079

■ 87.8604, 93.1828,
97.3603

■ 18.5172, 8.3838,
84.6473

■ 93.0271, 99.1909,
98.2477

■ 17.0508, 7.0321,
84.4637

■ 16.7985, 6.8085,
84.4338

Harmonies

Analogous

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



34.7009, 36.5434, 98.7479



42.6107, 36.5434, 88.8121



49.1173, 36.5434, 64.9817

Triad

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



42.6107, 36.5434, 88.8121



42.6753, 36.5434, 13.2944



21.9724, 36.5434, 39.6964

Complementary

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



42.6107, 36.5434, 88.8121



69.3335, 82.2332, 41.4978

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.



23.4737, 36.5434, 22.1298



42.6107, 36.5434, 88.8121



34.7660, 36.5434, 10.7317

Square

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



42.6107, 36.5434, 88.8121



49.1583, 36.5434, 22.2392



27.8922, 36.5434, 13.2496



23.4486, 36.5434, 64.7580

Rectangle

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



42.6107, 36.5434, 88.8121



51.3717, 36.5434, 47.6888



27.8922, 36.5434, 13.2496



22.1422, 36.5434, 32.8147

Sweetspot

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



42.6120, 36.5448, 88.8130



78.5462, 79.1640, 105.7481



56.6303, 68.6707, 94.2750



16.4110, 16.4402, 22.5583



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.



42.6120, 36.5448, 88.8130



41.5465, 33.3088, 98.8472



53.7158, 42.2690, 89.3326



15.1237, 15.3455, 19.8865



9.0955, 3.6943, 45.3616



0.8243, 0.3422, 3.7768

Inverse Universe

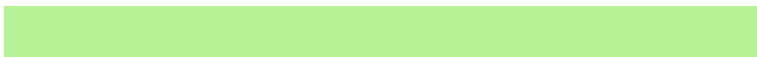
The Inverse Universe completely reimagines the original color for something new.



61.6890, 46.6131, 79.1449



65.9912, 46.2239, 85.8294



56.8319, 75.7884, 40.9128



16.3436, 15.9872, 19.3659



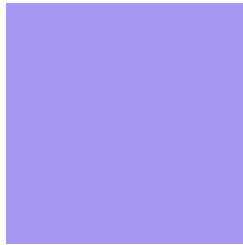
25.6175, 12.5194, 32.2320



2.1591, 1.0527, 2.8286

Previews

White Background



This preview shows how the XYZ color 42.6107, 36.5434, 88.8121 looks on a white background.

Color Contrast Check

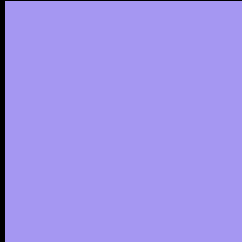
Large Text (above 18pt) WCAG AA × Fail

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 42.6107, 36.5434, 88.8121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

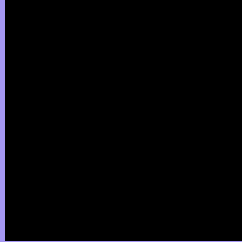
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6107, 36.5434, 88.8121

Background



This preview shows how black text looks on a background with the XYZ color 42.6107, 36.5434, 88.8121.



This preview shows how white text looks on a background with the XYZ color 42.6107, 36.5434,

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

42.6107, 36.5434, 88.8121

Protanopia

39.0298, 36.8065, 94.6698

Deuteranopia

37.8544, 36.8778, 87.5611



Tritanopia

34.1602, 36.4006, 46.8206

Trichromacy



Original Color

42.6107, 36.5434, 88.8121

Protanomaly

40.0192, 36.6074, 92.1455

Deuteranomaly

39.4317, 36.6442, 88.2139

Tritanomaly

36.8454, 36.1814, 60.3001

Monochromacy



Original Color

42.6107, 36.5434, 88.8121

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

38.2084, 37.4918, 56.2618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6107, 36.5434, 88.8121 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(165, 151, 242)` looks like.

```
.text, #text, p{  
    color:rgb(165, 151, 242)  
}
```

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(165, 151, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 151, 242) }
```

Border

The CSS property to change the border of an element to XYZ 42.6107, 36.5434, 88.8121 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(165, 151, 242) }
```


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

```
.border{ border-color:rgb(165, 151, 242) }
```

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

Here you see how a box with a 4 pixel rgb(165, 151, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 151, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 151, 242);  
box-shadow:4px 4px 4px 4px rgb(165, 151,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6107, 36.5434, 88.8121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 151, 242) }
```

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

```
.background{ background-color: rgb(165,  
151, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor