

Converting Colors

XYZ(42.0907, 36.2662, 93.5896)

Have a look what the booklet for
XYZ(42.0907, 36.2662, 93.5896)
contains.

XYZ(42.1104, 36.1796, 93.5708)	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(42.1104, 36.1796,
93.5708)**

Conversions

Conversions Part 1

Format	Color
Hex	9E97F8
RGB	158, 151, 248
RGB Percent	62%, 59%, 97%
CMY	0.3804, 0.4078, 0.0274
CMYK	0.36, 0.39, 0.00, 0.03
HSL	244°, 87%, 78%
HSV	244°, 39%, 97%
XYZ	42.1104, 36.1796, 93.5708
YIQ	164.1510, -26.9650, 31.6510

Conversions

Conversions Part 2

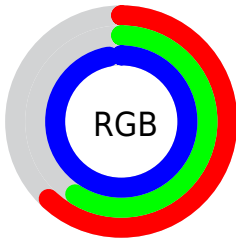
Format	Color
R _Y B	158, 151, 248
Decimal	10393592
CIE _{Lab}	66.66, 24.89, -47.64
CIE _{LCh}	67, 53.747, 297.589
Y _{xy}	36.1796, 0.2450, 0.2105
Android (android.graphics.Color)	4288583672 (0xFF9E97F8)
Y _{UV}	164.1510, 41.3376, -5.3944
Hunter-Lab	60.1495, 19.7055, -50.1291

Details

The XYZ color **42.1104, 36.1796, 93.5708** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.4293, 88.0704, 42.3031**, and the grayscale version is **35.1782, 37.0102, 40.3041**.

A 20% lighter version of the original color is **67.9057, 65.3297, 103.6386**, and **19.4406, 15.7007, 51.2961** is the 20% darker color. If you saturate the color by 10%, you get **34.4209, 26.9013, 92.1859**, and if you desaturate by 10%, it is **51.4894, 47.5762, 95.2769**.

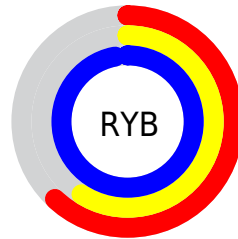
Distribution



Red (62%)

Green (59%)

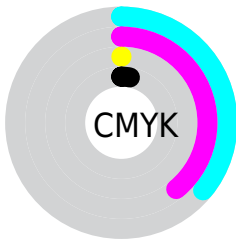
Blue (97%)



Red (62%)

Yellow (59%)

Blue (97%)

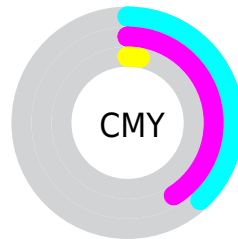


Cyan (36%)

Magenta (39%)

Yellow (0%)

Black (3%)



Cyan (38%)

Magenta (41%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1104, 36.1796, 93.5708 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 42.1104, 36.1796, 93.5708 by changing the saturation by 10% instead.

■ 42.1104, 36.1796,
93.5708

■ 42.1104, 36.1796,
93.5708

345.9242,
329.7449, 560.4464

■ 29.3792, 24.5729,
70.3557

■ 77.6308, 69.3092,
154.2672

■ 19.5136, 15.7592,
51.3380

■ 101.1507, 91.6009,
192.5855

■ 12.1482, 9.3539,
36.0991

128.9977,
118.2231, 236.7754

■ 6.9176, 4.9727,
24.2204

161.5369,
149.5601, 287.2553

■ 3.4565, 2.2313,
15.2835

199.1338,
185.9964, 344.4439

■ 1.3995, 0.7370,
8.8698

242.1538,

■ 0.2559, 0.0000,

227.9164, 408.7595

4.5607

290.9621,
275.7044, 480.6209

■ 0.0000, 0.0000,
1.9377

■ 0.0000, 0.0000,
0.5166

■ 42.1104, 36.1796,
93.5708

■ 42.1104, 36.1796,
93.5708

■ 34.4209, 26.9013,
92.1859

■ 51.4894, 47.5762,
95.2769

■ 28.3163, 19.6068,
91.0996

■ 62.6460, 61.2065,
97.3198

■ 23.6868, 14.1522,
90.2908

■ 75.6670, 77.1823,
99.7172

■ 20.4069, 10.3727,
89.7341

■ 90.6323, 95.6070,
102.4847

■ 18.3297, 8.0739,
89.3999

■ 93.9434, 99.5574,
103.0727

■ 17.2546, 6.9733,
89.2441

■ 17.1910, 6.9050,
89.2343

Harmonies

Analogous

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



33.7371, 36.1796, 102.8113



42.1104, 36.1796, 93.5708



49.2703, 36.1796, 68.4370

Triad

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



42.1104, 36.1796, 93.5708



43.4217, 36.1796, 12.4747



21.0645, 36.1796, 37.5481

Complementary

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



42.1104, 36.1796, 93.5708



75.4293, 88.0704, 42.3031

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.



22.8514, 36.1796, 20.0079



42.1104, 36.1796, 93.5708



35.0465, 36.1796, 9.5345

Square

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



42.1104, 36.1796, 93.5708



50.1071, 36.1796, 22.1471



27.6720, 36.1796, 11.6238



22.3565, 36.1796, 63.8504

Rectangle

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



42.1104, 36.1796, 93.5708



51.9359, 36.1796, 49.7700



27.6720, 36.1796, 11.6238



21.3179, 36.1796, 30.5698

Sweetspot

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



42.1118, 36.1809, 93.5717



76.3685, 77.0139, 105.4479



61.3201, 76.5843, 100.3579



15.9495, 15.9974, 22.4971



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.



42.1118, 36.1809, 93.5717



38.2017, 30.5012, 98.4816



53.4552, 42.0287, 94.1025



16.3990, 16.7028, 21.7449



9.3280, 3.7515, 48.2060



0.9030, 0.3676, 4.4665

Inverse Universe

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



65.6559, 48.4415, 89.1085



66.6132, 45.3051, 92.7041



61.1551, 80.7118, 41.6350



17.9358, 17.5017, 21.5176



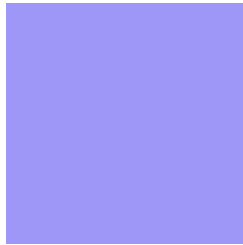
28.6576, 13.8788, 41.7671



2.6699, 1.2917, 3.9511

Previews

White Background



This preview shows how the XYZ color 42.1104, 36.1796, 93.5708 looks on a white background.

Color Contrast Check

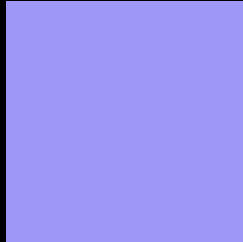
Large Text (above 18pt) WCAG AA × Fail

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 42.1104, 36.1796, 93.5708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

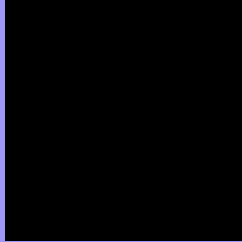
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1104, 36.1796, 93.5708

Background



This preview shows how black text looks on a background with the XYZ color 42.1104, 36.1796, 93.5708.



This preview shows how white text looks on a background with the XYZ color 42.1104, 36.1796,

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

42.1104, 36.1796, 93.5708

Protanopia

39.0523, 36.4519, 99.5854

Deuteranopia

37.4055, 36.2811, 92.2203



Tritanopia

32.9282, 36.2779, 47.9147

Trichromacy



Original Color

42.1104, 36.1796, 93.5708

Protanomaly

39.9404, 36.2085, 96.9793

Deuteranomaly

38.8371, 35.9802, 92.8936

Tritanomaly

35.8567, 36.1453, 62.2136

Monochromacy



Original Color

42.1104, 36.1796, 93.5708

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.1488, 36.4178, 56.7011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1104, 36.1796, 93.5708 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, 151, 248)` looks like.

```
.text, #text, p{  
    color:rgb(158, 151, 248)  
}
```

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, 151, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 151, 248) }
```

Border

The CSS property to change the border of an element to XYZ 42.1104, 36.1796, 93.5708 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, 151, 248) }
```


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

```
.border{ border-color:rgb(158, 151, 248) }
```

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

Here you see how a box with a 4 pixel rgb(158, 151, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 151, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 151, 248);  
box-shadow:4px 4px 4px 4px rgb(158, 151,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1104, 36.1796, 93.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 151, 248) }
```

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

```
.background{ background-color: rgb(158,  
151, 248) }
```

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