

Converting Colors

XYZ(36.6876, 21.7681, 96.8758)

Have a look what the booklet for
XYZ(36.6876, 21.7681, 96.8758)
contains.

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Color

**XYZ(36.6876, 21.7681,
96.8758)**

Conversions

Conversions Part 1

Format	Color
Hex	A456FF
RGB	164, 86, 255
RGB Percent	64%, 34%, 100%
CMY	0.3568, 0.6627, 0.0000
CMYK	0.36, 0.66, 0.00, 0.00
HSL	268°, 100%, 67%
HSV	268°, 66%, 100%
XYZ	36.6876, 21.7681, 96.8758
YIQ	128.5880, -7.7610, 69.0950

Conversions

Conversions Part 2

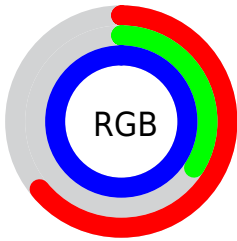
Format	Color
R_{YB}	164, 86, 255
Decimal	10770175
CIE _{Lab}	53.78, 63.28, -72.05
CIE _{LCh}	54, 95.891, 311.290
Yxy	21.7681, 0.2362, 0.1401
Android (android.graphics.Color)	4288960255 (0xFFA456FF)
YUV	128.5880, 62.3211, 31.0563
Hunter-Lab	46.6563, 58.7127, -90.4487

Details

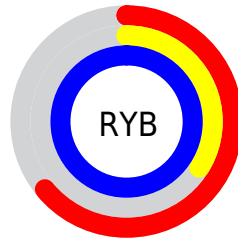
The XYZ color **36.6876, 21.7681, 96.8758** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **55.5708, 81.5388, 21.6142**, and the grayscale version is **20.5149, 21.5832, 23.5041**.

A 20% lighter version of the original color is **58.1686, 41.8235, 99.6147**, and **16.3431, 7.9132, 53.4893** is the 20% darker color. If you saturate the color by 10%, you get **32.3203, 17.0146, 96.1884**, and if you desaturate by 10%, it is **42.0885, 28.1323, 97.8195**.

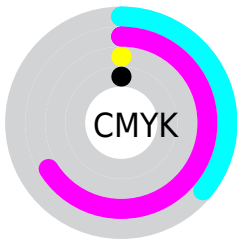
Distribution



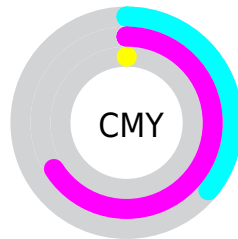
- Red (64%)
- Green (34%)
- Blue (100%)



- Red (64%)
- Yellow (34%)
- Blue (100%)



- Cyan (36%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6876, 21.7681, 96.8758 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 36.6876, 21.7681, 96.8758 by changing the saturation by 10% instead.

 36.6876, 21.7681,
96.8758


 36.6876, 21.7681,
96.8758


323.3351,
261.3328, 571.2899

 25.1383, 13.6866,
73.0917


 69.4090, 46.3624,
158.8714


 16.3094, 7.9030,
53.5587


 91.3118, 63.6440,
197.9199

 9.8356, 4.0330,
37.8582


 117.3964, 84.7611,
242.8937

 5.3515, 1.6920,
25.5716

 148.0283,
110.0981, 294.2112

 2.4918, 0.4185,
16.2806

183.5728,
140.0394, 352.2911

 0.8911, 0.0000,
9.5664

224.3951,

 0.0000, 0.0000,

174.9693, 417.5518

5.0106

270.8608,
215.2724, 490.4119

■ 0.0000, 0.0000,
2.1946

■ 0.0000, 0.0000,
0.6713

■ 36.6876, 21.7681,
96.8758

■ 36.6876, 21.7681,
96.8758

■ 32.3203, 17.0146,
96.1884

■ 42.0885, 28.1323,
97.8195

■ 28.8929, 13.7020,
95.7297

■ 48.5988, 36.2486,
99.0430

■ 26.2947, 11.6234,
95.4654

■ 56.2896, 46.2447,
100.5671

■ 25.4800, 11.0503,
95.3977

■ 65.2246, 58.2357,
102.4107

■ 75.4626, 72.3271,
104.5910

■ 87.0586, 88.6168,
107.1240

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.



24.8110, 21.7681, 134.0331



36.6876, 21.7681, 96.8758



45.6620, 21.7681, 46.9244

Triad

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



36.6876, 21.7681, 96.8758



27.7087, 21.7681, 0.1329



6.7191, 21.7681, 36.6188

Complementary

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



36.6876, 21.7681, 96.8758



55.5708, 81.5388, 21.6142

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.



7.0371, 21.7681, 9.7744



36.6876, 21.7681, 96.8758



17.0525, 21.7681, 0.0000

Square

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



36.6876, 21.7681, 96.8758



39.4046, 21.7681, 2.5251



10.1864, 21.7681, 1.5299



9.0987, 21.7681, 84.2155

Rectangle

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



36.6876, 21.7681, 96.8758



47.4489, 21.7681, 22.4482



10.1864, 21.7681, 1.5299



6.5421, 21.7681, 25.0011

Sweetspot

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



36.6886, 21.7688, 96.8758



71.4918, 66.8245, 103.7381



37.9982, 41.4190, 100.5997



14.6874, 13.4573, 22.0734



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.



36.6886, 21.7688, 96.8758



30.9386, 15.6217, 95.9924



59.5772, 33.5683, 97.9470



17.7998, 17.7885, 22.7453



13.4818, 5.8606, 49.8552



1.4371, 0.6348, 4.8600

Inverse Universe

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



52.5036, 31.0901, 44.8278



48.8430, 26.1953, 36.1275



42.1024, 74.5956, 20.9839



18.4184, 18.1507, 20.8203



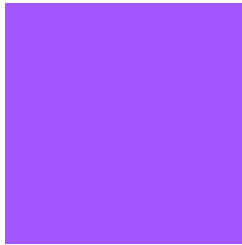
23.9959, 12.0876, 13.8945



2.3916, 1.1990, 1.6435

Previews

White Background



This preview shows how the XYZ color 36.6876, 21.7681, 96.8758 looks on a white background.

Color Contrast Check

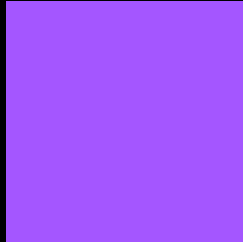
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6876, 21.7681, 96.8758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

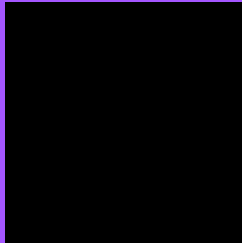
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6876, 21.7681, 96.8758

Background



This preview shows how black text looks on a background with the XYZ color 36.6876, 21.7681, 96.8758.



This preview shows how white text looks on a background with the XYZ color 36.6876, 21.7681,

96.8758.

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

36.6876, 21.7681, 96.8758

Protanopia

26.1327, 22.0864, 97.4935

Deuteranopia

22.2592, 21.8897, 77.1807



Tritanopia

22.0888, 21.5977, 25.1949

Trichromacy



Original Color

36.6876, 21.7681, 96.8758



Protanomaly

27.3722, 20.3032, 97.0840



Deuteranomaly

23.4268, 19.3952, 83.3978



Tritanomaly

25.7245, 20.6221, 44.2196

Monochromacy



Original Color

36.6876, 21.7681, 96.8758



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

24.7983, 20.6562, 43.2375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6876, 21.7681, 96.8758 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(164, 86, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 86, 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(164, 86, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 86, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.6876, 21.7681, 96.8758 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(164, 86, 255) }
```


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

```
.border{ border-color:rgb(164, 86, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 86, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 86, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 86, 255); box-shadow:4px 4px 4px 4px rgb(164, 86, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6876, 21.7681, 96.8758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 86, 255) }
```

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

```
.background{ background-color: rgb(164, 86,  
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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