

Converting Colors

XYZ(35.7718, 28.5434, 98.2318)

Have a look what the booklet for
XYZ(35.7718, 28.5434, 98.2318)
contains.

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Color

**XYZ(35.8170, 28.6281,
98.2457)**

Conversions

Conversions Part 1

Format	Color
Hex	8484FF
RGB	132, 132, 255
RGB Percent	52%, 52%, 100%
CMY	0.4823, 0.4823, 0.0000
CMYK	0.48, 0.48, 0.00, 0.00
HSL	240°, 100%, 76%
HSV	240°, 48%, 100%
XYZ	35.8170, 28.6281, 98.2457
YIQ	146.0220, -39.4830, 38.2530

Conversions

Conversions Part 2

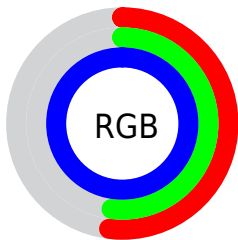
Format	Color
R_{YB}	132, 132, 255
Decimal	8684799
CIE _{Lab}	60.45, 31.61, -61.45
CIE _{LCh}	60, 69.105, 297.225
Yxy	28.6281, 0.2202, 0.1760
Android (android.graphics.Color)	4286874879 (0xFF8484FF)
YUV	146.0220, 53.7262, -12.2973
Hunter-Lab	53.5052, 25.8557, -71.4140

Details

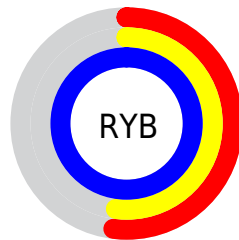
The XYZ color **35.8170, 28.6281, 98.2457** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.1636, 94.4453, 35.7824**, and the grayscale version is **27.1302, 28.5431, 31.0834**.

A 20% lighter version of the original color is **56.8848, 52.9943, 101.8385**, and **15.7698, 11.5573, 54.2229** is the 20% darker color. If you saturate the color by 10%, you get **29.2601, 20.7271, 97.0663**, and if you desaturate by 10%, it is **44.1954, 38.7231, 99.7527**.

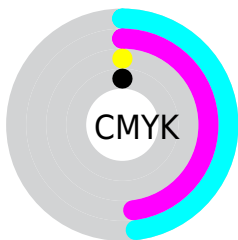
Distribution



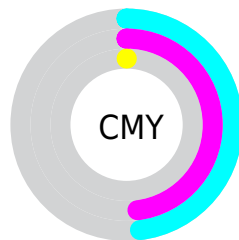
- Red (52%)
- Green (52%)
- Blue (100%)



- Red (52%)
- Yellow (52%)
- Blue (100%)



- Cyan (48%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8170, 28.6281, 98.2457 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 35.8170, 28.6281, 98.2457 by changing the saturation by 10% instead.

 35.8170, 28.6281,
98.2457


 35.8170, 28.6281,
98.2457


319.6052,
295.4562, 575.7520


 24.4623, 18.7997,
74.2276


 68.0752, 57.4857,
160.7751

 15.8035, 11.5256,
54.4824

 89.7095, 77.2836,
200.1234

 9.4752, 6.4215,
38.5917


 115.5011,
101.1735, 245.4188

 5.1120, 3.1031,
26.1368

145.8153,
129.5398, 297.0799

 2.3486, 1.1858,
16.6993

181.0174,
162.7668, 355.5253

 0.8193, 0.0500,
9.8607

221.4729,

 0.0000, 0.0000,

201.2389, 421.1734

5.2023

267.5470,
245.3406, 494.4428

■ 0.0000, 0.0000,
2.3056

■ 0.0000, 0.0000,
0.7344

■ 35.8170, 28.6281,
98.2457

■ 35.8170, 28.6281,
98.2457

■ 29.2601, 20.7271,
97.0663

■ 44.1954, 38.7231,
99.7527

■ 24.3865, 14.8548,
96.1897

■ 54.5133, 51.1555,
101.6086

■ 21.0437, 10.8269,
95.5884

■ 66.8826, 66.0598,
103.8335

■ 19.0500, 8.4248,
95.2298

■ 81.4058, 83.5595,
106.4458

■ 18.1553, 7.3468,
95.0689

95.0500, 100.0000,
108.9000

■ 18.0501, 7.2201,
95.0500

Harmonies

Analogous

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



26.3899, 28.6281, 110.2566



35.8170, 28.6281, 98.2457



44.2903, 28.6281, 65.9545

Triad

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



35.8170, 28.6281, 98.2457



37.5686, 28.6281, 5.4507



13.4433, 28.6281, 28.8578

Complementary

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



35.8170, 28.6281, 98.2457



81.1636, 94.4453, 35.7824

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.



15.2057, 28.6281, 11.4513



35.8170, 28.6281, 98.2457



28.0472, 28.6281, 3.3693

Square

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



35.8170, 28.6281, 98.2457



45.4468, 28.6281, 13.6917



20.1060, 28.6281, 4.7418



14.6504, 28.6281, 59.4094

Rectangle

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



35.8170, 28.6281, 98.2457



47.5517, 28.6281, 43.3165



20.1060, 28.6281, 4.7418



13.6971, 28.6281, 21.5390

Sweetspot

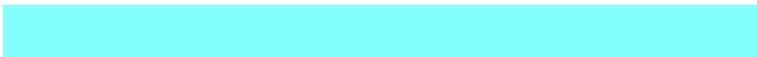
The Sweet Spot groups the original color and five complimentary colors.



35.8181, 28.6290, 98.2459



72.7640, 73.1465, 104.8914



63.3260, 83.6457, 107.4153



14.9226, 14.8709, 22.3338



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.



35.8181, 28.6290, 98.2459



29.3941, 20.8885, 97.0904



48.4218, 35.1264, 98.8357



17.0032, 17.3778, 22.7080



9.4316, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

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



67.5409, 44.9828, 99.7273



64.5574, 39.0160, 98.7321



62.0452, 84.5894, 34.8877



18.7927, 18.3004, 22.7917



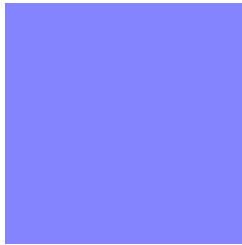
30.9796, 14.8812, 50.6707



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 35.8170, 28.6281, 98.2457 looks on a white background.

Color Contrast Check

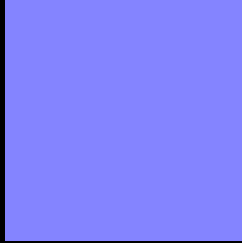
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8170, 28.6281, 98.2457 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 35.8170, 28.6281, 98.2457

Background



This preview shows how black text looks on a background with the XYZ color 35.8170, 28.6281, 98.2457.



This preview shows how white text looks on a background with the XYZ color 35.8170, 28.6281,

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

35.8170, 28.6281, 98.2457

Protanopia

32.2372, 28.8932, 98.4856

Deuteranopia

29.9910, 28.9198, 96.0969



Tritanopia

24.1266, 28.5632, 39.8390

Trichromacy



Original Color

35.8170, 28.6281, 98.2457

Protanomaly

33.2019, 28.5228, 98.3633

Deuteranomaly

31.3331, 28.4641, 96.7712

Tritanomaly

27.3887, 27.9729, 57.3818

Monochromacy



Original Color

35.8170, 28.6281, 98.2457

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.3723, 28.2576, 50.3606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8170, 28.6281, 98.2457 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(132, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 132, 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(132, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.8170, 28.6281, 98.2457 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(132, 132, 255) }
```


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

```
.border{ border-color:rgb(132, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8170, 28.6281, 98.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 132, 255) }
```

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

```
.background{ background-color: rgb(132,  
132, 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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