

Converting Colors

XYZ(34.0146, 27.6817, 98.1581)

Have a look what the booklet for
XYZ(34.0146, 27.6817, 98.1581)
contains.

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Color

**XYZ(34.0470, 27.7156,
98.1629)**

Conversions

Conversions Part 1

Format	Color
Hex	7884FF
RGB	120, 132, 255
RGB Percent	47%, 52%, 100%
CMY	0.5294, 0.4823, 0.0000
CMYK	0.53, 0.48, 0.00, 0.00
HSL	235°, 100%, 74%
HSV	235°, 53%, 100%
XYZ	34.0470, 27.7156, 98.1629
YIQ	142.4340, -46.6350, 35.7090

Conversions

Conversions Part 2

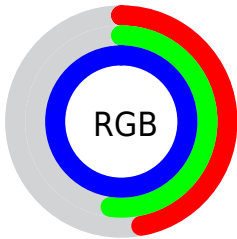
Format	Color
RYB	120, 131, 255
Decimal	7898367
CIELab	59.63, 29.10, -62.81
CIELCh	60, 69.225, 294.861
Yxy	27.7156, 0.2129, 0.1733
Android (android.graphics.Color)	4286088447 (0xFF7884FF)
YUV	142.4340, 55.4950, -19.6746
Hunter-Lab	52.6456, 23.3098, -73.7001

Details

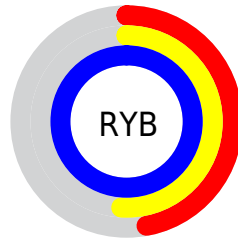
The XYZ color **34.0470, 27.7156, 98.1629** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **76.6827, 86.7205, 30.4685**, and the grayscale version is **25.6842, 27.0218, 29.4268**.

A 20% lighter version of the original color is **54.2214, 51.6212, 101.7139**, and **14.7468, 11.0300, 54.1751** is the 20% darker color. If you saturate the color by 10%, you get **28.1620, 20.5142, 97.0831**, and if you desaturate by 10%, it is **41.5771, 36.8071, 99.5209**.

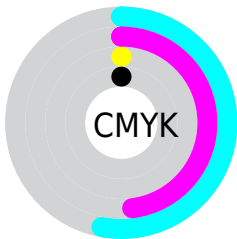
Distribution



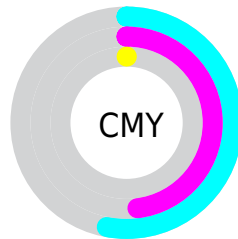
- Red (47%)
- Green (52%)
- Blue (100%)



- Red (47%)
- Yellow (51%)
- Blue (100%)



- Cyan (53%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0470, 27.7156, 98.1629 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 34.0470, 27.7156, 98.1629 by changing the saturation by 10% instead.

■ 34.0470, 27.7156,
98.1629

■ 34.0470, 27.7156,
98.1629

311.9238,
291.1054, 575.4828

■ 23.0928, 18.1114,
74.1589

■ 65.3506, 56.0301,
160.6601

■ 14.7831, 11.0300,
54.4265

■ 86.4306, 75.5091,
199.9903

■ 8.7526, 6.0870,
38.5473

■ 111.6166, 99.0485,
245.2664

■ 4.6360, 2.8981,
26.1026

141.2740,
127.0328, 296.9068

■ 2.0679, 1.0787,
16.6739

175.7680,
159.8462, 355.3301

■ 0.6716, 0.0000,
9.8428

215.4641,

■ 0.0000, 0.0000,

197.8731, 420.9549

5.1906

260.7276,
241.4981, 494.1996

■ 0.0000, 0.0000,
2.2988

■ 0.0000, 0.0000,
0.7306

■ 34.0470, 27.7156,
98.1629

■ 34.0470, 27.7156,
98.1629

■ 28.1620, 20.5142,
97.0831

■ 41.5771, 36.8071,
99.5209

■ 23.7953, 15.0667,
96.2618

■ 50.8600, 47.9067,
101.1741

■ 20.8066, 11.2225,
95.6773

■ 61.9981, 61.1261,
103.1386

■ 19.0272, 8.8040,
95.3042

■ 75.0847, 76.5676,
105.4294

■ 18.3497, 7.8193,
95.1499

■ 90.2071, 94.3272,
108.0603

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.



24.8682, 27.7156, 107.8174



34.0470, 27.7156, 98.1629



42.5875, 27.7156, 67.1528

Triad

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



34.0470, 27.7156, 98.1629



37.2303, 27.7156, 5.4680



12.9143, 27.7156, 26.0744

Complementary

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



34.0470, 27.7156, 98.1629



76.6827, 86.7205, 30.4685

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.



14.8645, 27.7156, 10.1067



34.0470, 27.7156, 98.1629



27.8747, 27.7156, 3.1583

Square

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



34.0470, 27.7156, 98.1629



44.6916, 27.7156, 14.1456



19.8985, 27.7156, 4.2022



13.8616, 27.7156, 55.2295

Rectangle

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



34.0470, 27.7156, 98.1629



46.0898, 27.7156, 44.5496



19.8985, 27.7156, 4.2022



13.2371, 27.7156, 19.2858

Sweetspot

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



34.0481, 27.7164, 98.1630



70.8661, 71.5985, 104.6926



59.4587, 81.8944, 96.2851



14.5838, 14.6357, 22.3063



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.



34.0481, 27.7164, 98.1630



27.6288, 19.8553, 96.9840



42.2237, 29.6536, 98.1060



17.1327, 17.6371, 22.7513



9.6319, 4.1733, 49.7325



0.9798, 0.4903, 4.8563

Inverse Universe

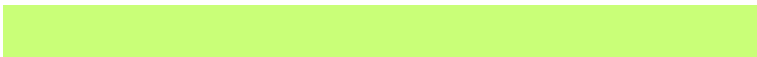
The Inverse Universe completely reimagines the original color for something new.



52.1222, 36.3605, 26.1014



47.6671, 29.9266, 16.9820



63.2387, 85.2941, 30.9017



18.0749, 18.0133, 19.0116



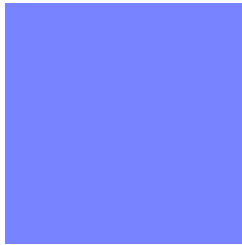
21.6499, 11.1493, 1.5410



2.1292, 1.0940, 0.2616

Previews

White Background



This preview shows how the XYZ color 34.0470, 27.7156, 98.1629 looks on a white background.

Color Contrast Check

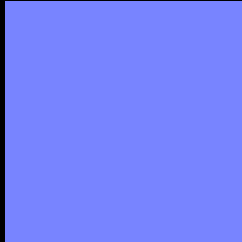
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0470, 27.7156, 98.1629 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 34.0470, 27.7156, 98.1629

Background



This preview shows how black text looks on a background with the XYZ color 34.0470, 27.7156, 98.1629.



This preview shows how white text looks on a background with the XYZ color 34.0470, 27.7156,

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

34.0470, 27.7156, 98.1629

Protanopia

31.3071, 27.7599, 98.3159

Deuteranopia

28.9150, 27.9075, 95.9582



Tritanopia

22.3992, 27.6727, 39.7581

Trichromacy



Original Color

34.0470, 27.7156, 98.1629

Protanomaly

32.1097, 27.5376, 98.2307

Deuteranomaly

29.9317, 27.3039, 96.6211

Tritanomaly

25.6853, 27.0947, 57.3021

Monochromacy



Original Color

34.0470, 27.7156, 98.1629

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.4672, 26.6642, 48.4988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0470, 27.7156, 98.1629 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(120, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 132, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.0470, 27.7156, 98.1629 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(120, 132, 255) }
```


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

```
.border{ border-color:rgb(120, 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(120, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 132,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0470, 27.7156, 98.1629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 132, 255) }
```

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

```
.background{ background-color: rgb(120,  
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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