

Converting Colors

XYZ(28.7168, 27.4188, 98.3806)

Have a look what the booklet for
XYZ(28.7168, 27.4188, 98.3806)
contains.

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Color

**XYZ(28.7862, 27.5598,
98.4101)**

Conversions

Conversions Part 1

Format	Color
Hex	2590FF
RGB	37, 144, 255
RGB Percent	15%, 56%, 100%
CMY	0.8548, 0.4353, 0.0000
CMYK	0.85, 0.44, 0.00, 0.00
HSL	211°, 100%, 57%
HSV	211°, 85%, 100%
XYZ	28.7862, 27.5598, 98.4101
YIQ	124.6610, -99.4030, 11.8370

Conversions

Conversions Part 2

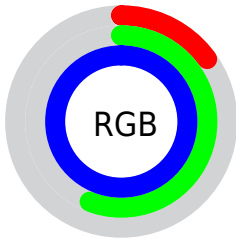
Format	Color
R _Y B	37, 109, 255
Decimal	2461951
CIE Lab	59.49, 10.39, -63.22
CIE LCh	59, 64.066, 279.337
Yxy	27.5598, 0.1860, 0.1781
Android (android.graphics.Color)	4280652031 (0xFF2590FF)
YUV	124.6610, 64.2571, -76.8787
Hunter-Lab	52.4974, 6.0074, -74.3951

Details

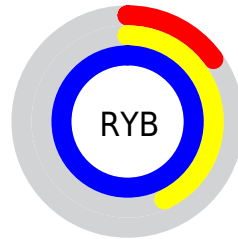
The XYZ color **28.7862, 27.5598, 98.4101** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **52.1684, 42.5817, 7.2220**, and the grayscale version is **19.1974, 20.1972, 21.9947**.

A 20% lighter version of the original color is **45.9014, 51.2175, 102.0744**, and **14.1703, 12.2156, 54.4343** is the 20% darker color. If you saturate the color by 10%, you get **26.3134, 23.5315, 97.7629**, and if you desaturate by 10%, it is **32.1244, 32.3705, 99.1627**.

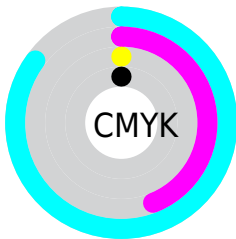
Distribution



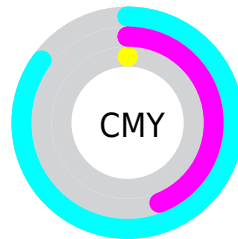
- Red (15%)
- Green (56%)
- Blue (100%)



- Red (15%)
- Yellow (43%)
- Blue (100%)



- Cyan (85%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7862, 27.5598, 98.4101 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 28.7862, 27.5598, 98.4101 by changing the saturation by 10% instead.

■ 28.7862, 27.5598,
98.4101

■ 28.7862, 27.5598,
98.4101

288.2173,
290.3575, 576.2863

■ 19.0626, 17.9941,
74.3639

■ 57.1371, 55.7809,
161.0033

■ 11.8198, 10.9457,
54.5934

■ 76.4952, 75.2050,
200.3875

■ 6.6924, 6.0304,
38.6799

■ 99.7955, 98.6841,
245.7214

■ 3.3151, 2.8636,
26.2049

■ 127.4033,
126.6025, 297.4237

■ 1.3225, 1.0609,
16.7498

■ 159.6840,
159.3447, 355.9127

■ 0.2000, 0.0000,
9.8962

197.0030,

■ 0.0000, 0.0000,

197.2950, 421.6071

5.2255

239.7257,
240.8378, 494.9255

■ 0.0000, 0.0000,
2.3191

■ 0.0000, 0.0000,
0.7419

■ 28.7862, 27.5598,
98.4101

■ 28.7862, 27.5598,
98.4101

■ 26.3134, 23.5315,
97.7629

■ 32.1244, 32.3705,
99.1627

■ 25.4020, 21.9241,
97.5007

■ 36.4465, 38.0348,
100.0283

■ 41.8527, 44.6150,
101.0134

■ 48.4289, 52.1652,
102.1242

■ 56.2516, 60.7343,
103.3659

■ 65.3902, 70.3672,
104.7435

■ 75.9087, 81.1058,
106.2619

■ 87.8667, 92.9892,
107.9254

■ 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.



21.1055, 27.5598, 93.4982



28.7862, 27.5598, 98.4101



37.2777, 27.5598, 78.9843

Triad

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



28.7862, 27.5598, 98.4101



40.0767, 27.5598, 9.7716



14.2207, 27.5598, 16.9302

Complementary

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



28.7862, 27.5598, 98.4101



52.1684, 42.5817, 7.2220

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.



17.5600, 27.5598, 7.1273



28.7862, 27.5598, 98.4101



32.0427, 27.5598, 4.7102

Square

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



28.7862, 27.5598, 98.4101



44.6209, 27.5598, 23.3773



23.7637, 27.5598, 4.0818



13.7012, 27.5598, 37.7870

Rectangle

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



28.7862, 27.5598, 98.4101



41.8856, 27.5598, 58.7544



23.7637, 27.5598, 4.0818



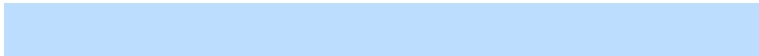
15.0122, 27.5598, 12.6075

Sweetspot

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



28.7873, 27.5606, 98.4102



64.8812, 69.8391, 104.6684



41.7133, 73.9896, 39.2825



13.1822, 14.2121, 22.2984



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.



28.7873, 27.5606, 98.4102



25.4020, 21.9241, 97.5007



19.4763, 8.9386, 95.3066



17.7391, 18.8498, 22.9534



13.4217, 11.7530, 50.9957



1.4158, 1.3623, 5.0016

Inverse Universe

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



46.9365, 24.5984, 28.6600



44.9510, 22.7444, 21.4717



77.3344, 92.9137, 15.6107



18.3810, 18.1357, 20.6233



23.5628, 11.9144, 11.6144



2.3492, 1.1821, 1.4205

Previews

White Background



This preview shows how the XYZ color 28.7862, 27.5598, 98.4101 looks on a white background.

Color Contrast Check

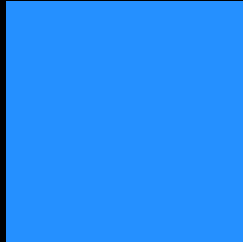
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7862, 27.5598, 98.4101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

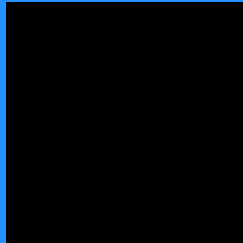
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

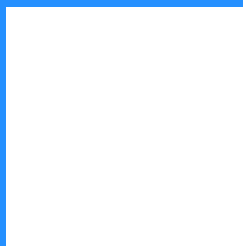
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7862, 27.5598, 98.4101

Background



This preview shows how black text looks on a background with the XYZ color 28.7862, 27.5598, 98.4101.



This preview shows how white text looks on a background with the XYZ color 28.7862, 27.5598,

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

28.7862, 27.5598, 98.4101

Protanopia

30.5017, 27.2407, 93.2729

Deuteranopia

28.6274, 27.7038, 98.4463



Tritanopia

19.3883, 27.3183, 41.7872

Trichromacy



Original Color

28.7862, 27.5598, 98.4101

Protanomaly

29.3892, 27.0608, 94.9411

Deuteranomaly

28.7405, 27.7621, 98.4516

Tritanomaly

21.9825, 27.0382, 58.7039

Monochromacy



Original Color

28.7862, 27.5598, 98.4101

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.2119, 21.8082, 42.1739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7862, 27.5598, 98.4101 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(37, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(37, 144, 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(37, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 144, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.7862, 27.5598, 98.4101 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(37, 144, 255) }
```


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

```
.border{ border-color:rgb(37, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(37, 144,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7862, 27.5598, 98.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 144, 255) }
```

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

```
.background{ background-color: rgb(37, 144,  
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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