

Converting Colors

XYZ(27.7075, 26.4784, 98.2582)

Have a look what the booklet for
XYZ(27.7075, 26.4784, 98.2582)
contains.

XYZ(27.7606, 26.5854, 98.2761)	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(27.7606, 26.5854,
98.2761)**

Conversions

Conversions Part 1

Format	Color
Hex	038EFF
RGB	3, 142, 255
RGB Percent	1%, 56%, 100%
CMY	0.9879, 0.4431, 0.0000
CMYK	0.99, 0.44, 0.00, 0.00
HSL	207°, 100%, 51%
HSV	207°, 99%, 100%
XYZ	27.7606, 26.5854, 98.2761
YIQ	113.3210, -119.1170, 5.6750

Conversions

Conversions Part 2

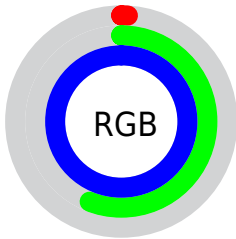
Format	Color
R _Y B	3, 93, 255
Decimal	233215
CIE Lab	58.59, 10.24, -64.68
CIE LCh	59, 65.487, 278.995
Yxy	26.5854, 0.1819, 0.1742
Android (android.graphics.Color)	4278423295 (0xFF038EFF)
YUV	113.3210, 69.8477, -96.7515
Hunter-Lab	51.5610, 5.8731, -76.9149

Details

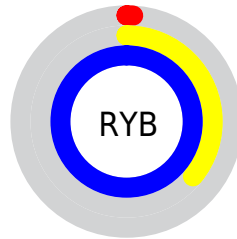
The XYZ color **27.7606, 26.5854, 98.2761** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **47.5113, 33.7756, 4.1036**, and the grayscale version is **15.6230, 16.4366, 17.8995**.

A 20% lighter version of the original color is **44.3752, 49.7609, 101.8737**, and **13.9924, 11.8599, 54.3750** is the 20% darker color. If you saturate the color by 10%, you get **27.5189, 26.1578, 98.2063**, and if you desaturate by 10%, it is **30.0081, 30.4015, 98.8942**.

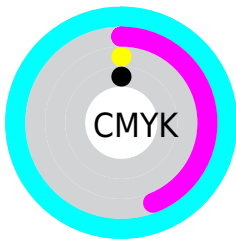
Distribution



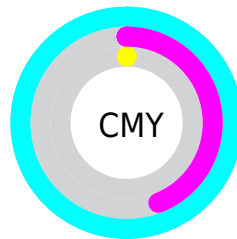
- Red (1%)
- Green (56%)
- Blue (100%)



- Red (1%)
- Yellow (36%)
- Blue (100%)



- Cyan (99%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7606, 26.5854, 98.2761 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 27.7606, 26.5854, 98.2761 by changing the saturation by 10% instead.

■ 27.7606, 26.5854,
98.2761

■ 27.7606, 26.5854,
98.2761

283.4221,
285.6441, 575.8508

■ 18.2848, 17.2621,
74.2528

■ 55.5133, 54.2178,
160.8173

■ 11.2556, 10.4215,
54.5029

■ 74.5210, 73.2958,
200.1722

■ 6.3076, 5.6793,
38.6080

■ 97.4366, 96.3940,
245.4748

■ 3.0754, 2.6511,
26.1494

■ 124.6256,
123.8970, 297.1435

■ 1.1938, 0.9524,
16.7087

■ 156.4532,
156.1891, 355.5969

■ 0.1014, 0.0000,
9.8672

193.2850,

■ 0.0000, 0.0000,

193.6547, 421.2536

5.2066

235.4861,
236.6782, 494.5321

■ 0.0000, 0.0000,
2.3081

■ 0.0000, 0.0000,
0.7358

■ 27.7606, 26.5854,
98.2761

■ 27.7606, 26.5854,
98.2761

■ 27.5189, 26.1578,
98.2063

■ 30.0081, 30.4015,
98.8942

■ 33.0085, 34.8723,
99.5990

■ 36.9100, 40.0815,
100.3989

■ 41.8155, 46.0890,
101.2999

■ 47.8124, 52.9465,
102.3075

■ 54.9778, 60.7002,
103.4264

■ 63.3812, 69.3921,
104.6612

■ 73.0863, 79.0610,
106.0160

■ 84.1522, 89.7433,
107.4946

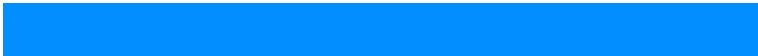
Harmonies

Analogous

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



20.1282, 26.5854, 92.9657



27.7606, 26.5854, 98.2761



36.2835, 26.5854, 78.7124

Triad

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



27.7606, 26.5854, 98.2761



39.2693, 26.5854, 9.0844



13.4211, 26.5854, 15.8133

Complementary

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



27.7606, 26.5854, 98.2761



47.5113, 33.7756, 4.1036

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.



16.7445, 26.5854, 6.3858



27.7606, 26.5854, 98.2761



31.2172, 26.5854, 4.1794

Square

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



27.7606, 26.5854, 98.2761



43.7937, 26.5854, 22.5686



22.9304, 26.5854, 3.5544



12.8801, 26.5854, 36.4264

Rectangle

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



27.7606, 26.5854, 98.2761



40.9486, 26.5854, 58.2233



22.9304, 26.5854, 3.5544



14.2100, 26.5854, 11.6207

Sweetspot

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



27.7617, 26.5861, 98.2762



62.2986, 68.2914, 104.5058



38.7368, 72.7152, 27.3946



12.5569, 13.8183, 22.2553



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.



27.7617, 26.5861, 98.2762



27.5189, 26.1578, 98.2063



18.3365, 7.7357, 95.1344



17.8335, 19.0386, 22.9848



14.5306, 13.9707, 51.3654



1.5239, 1.5785, 5.0376

Inverse Universe

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



46.1560, 23.2799, 27.6523



46.0195, 23.1718, 27.0983



71.8912, 82.5354, 12.2303



18.4286, 18.1548, 20.8742



24.1226, 12.1383, 14.5617



2.4038, 1.2039, 1.7079

Previews

White Background



This preview shows how the XYZ color 27.7606, 26.5854, 98.2761 looks on a white background.

Color Contrast Check

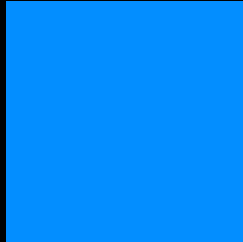
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7606, 26.5854, 98.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

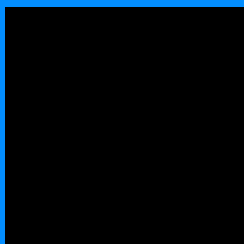
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

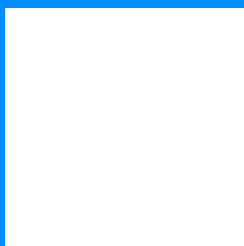
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7606, 26.5854, 98.2761

Background



This preview shows how black text looks on a background with the XYZ color 27.7606, 26.5854, 98.2761.



This preview shows how white text looks on a background with the XYZ color 27.7606, 26.5854,

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

27.7606, 26.5854, 98.2761

Protanopia

29.8335, 26.4741, 93.1601

Deuteranopia

27.3931, 26.6732, 95.8001



Tritanopia

18.7714, 26.5301, 40.2079

Trichromacy



Original Color

27.7606, 26.5854, 98.2761

Protanomaly

28.1320, 25.9827, 94.7992

Deuteranomaly

27.5646, 26.7432, 96.6377

Tritanomaly

21.2722, 26.2169, 57.3653

Monochromacy



Original Color

27.7606, 26.5854, 98.2761

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.7468, 18.5484, 38.2949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7606, 26.5854, 98.2761 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(3, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(3, 142, 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(3, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 142, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.7606, 26.5854, 98.2761 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(3, 142, 255) }
```


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

```
.border{ border-color:rgb(3, 142, 255) }
```

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

Here you see how a box with a 4 pixel rgb(3, 142, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(3, 142,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7606, 26.5854, 98.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 142, 255) }
```

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

```
.background{ background-color: rgb(3, 142,  
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](#).

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