

Converting Colors

XYZ(27.2252, 28.9726, 82.5463)

Have a look what the booklet for
XYZ(27.2252, 28.9726, 82.5463)
contains.

XYZ(27.2623, 28.9901, 82.7560)	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(27.2623, 28.9901,
82.7560)**

Conversions

Conversions Part 1

Format	Color
Hex	2C98EB
RGB	44, 152, 235
RGB Percent	17%, 60%, 92%
CMY	0.8274, 0.4039, 0.0784
CMYK	0.81, 0.35, 0.00, 0.08
HSL	206°, 83%, 55%
HSV	206°, 81%, 92%
XYZ	27.2623, 28.9901, 82.7560
YIQ	129.1700, -91.0110, 2.9170

Conversions

Conversions Part 2

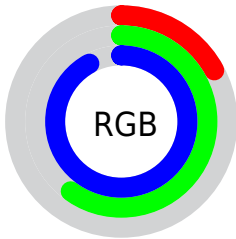
Format	Color
R_{YB}	44, 113, 235
Decimal	2922731
CIE _{Lab}	60.77, -1.17, -50.15
CIE _{LCh}	61, 50.166, 268.660
Yxy	28.9901, 0.1961, 0.2085
Android (android.graphics.Color)	4281112811 (0xFF2C98EB)
YUV	129.1700, 52.1742, -74.6941
Hunter-Lab	53.8425, -3.8436, -53.4392

Details

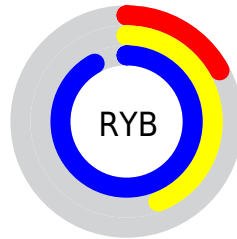
The XYZ color **27.2623, 28.9901, 82.7560** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **42.3077, 33.0273, 6.5296**, and the grayscale version is **20.7737, 21.8556, 23.8007**.

A 20% lighter version of the original color is **47.8670, 55.3557, 102.7696**, and **12.8881, 12.7574, 44.4310** is the 20% darker color. If you saturate the color by 10%, you get **24.9362, 25.4356, 82.1931**, and if you desaturate by 10%, it is **30.3040, 33.1261, 83.3947**.

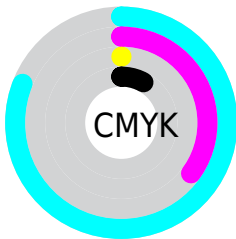
Distribution



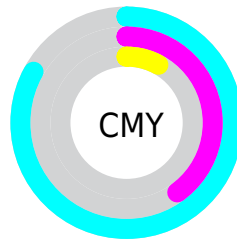
- Red (17%)
- Green (60%)
- Blue (92%)



- Red (17%)
- Yellow (44%)
- Blue (92%)



- Cyan (81%)
- Magenta (35%)
- Yellow (0%)
- Black (8%)



- Cyan (83%)
- Magenta (40%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2623, 28.9901, 82.7560 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 27.2623, 28.9901, 82.7560 by changing the saturation by 10% instead.

■ 27.2623, 28.9901,
82.7560

■ 27.2623, 28.9901,
82.7560

281.0693,
297.1682, 524.1227

■ 17.9079, 19.0733,
61.4494

■ 54.7214, 58.0614,
139.0798

■ 10.9832, 11.7233,
44.1551

■ 73.5569, 77.9846,
174.9342

■ 6.1227, 6.5555,
30.4544

■ 96.2834, 102.0122,
216.4749

■ 2.9612, 3.1857,
19.9287

■ 123.2663,
130.5285, 264.1205

■ 1.1333, 1.2295,
12.1597

■ 154.8710,
163.9178, 318.2896

■ 0.0527, 0.0856,
6.7287

191.4628,

■ 0.0000, 0.0000,

202.5646, 379.4006

3.2171

233.4072,
246.8533, 447.8721

■ 0.0000, 0.0000,
1.2065

■ 0.0000, 0.0000,
0.0000

■ 27.2623, 28.9901,
82.7560

■ 27.2623, 28.9901,
82.7560

■ 24.9362, 25.4356,
82.1931

■ 30.3040, 33.1261,
83.3947

■ 23.3655, 22.7383,
81.7553

■ 34.1456, 37.8912,
84.1119

■ 38.8618, 43.3291,
84.9130

■ 44.5171, 49.4779,
85.8018

■ 51.1695, 56.3722,
86.7819

■ 58.8718, 64.0435,
87.8566

■ 67.6730, 72.5217,
89.0292

■ 77.6188, 81.8345,
90.3026

■ 88.5613, 91.9098,
91.6706

Harmonies

Analogous

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



21.5369, 28.9901, 73.2112



27.2623, 28.9901, 82.7560



34.0121, 28.9901, 74.6912

Triad

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



27.2623, 28.9901, 82.7560



40.0779, 28.9901, 17.2915



18.1771, 28.9901, 16.3367

Complementary

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



27.2623, 28.9901, 82.7560



42.3077, 33.0273, 6.5296

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.



21.9703, 28.9901, 9.3853



27.2623, 28.9901, 82.7560



34.5994, 28.9901, 9.7640

Square

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



27.2623, 28.9901, 82.7560



42.0769, 28.9901, 32.4118



27.8482, 28.9901, 7.5633



16.8290, 28.9901, 30.7337

Rectangle

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



27.2623, 28.9901, 82.7560



38.0745, 28.9901, 61.7003



27.8482, 28.9901, 7.5633



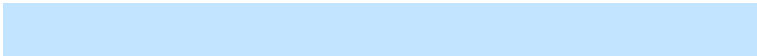
19.1758, 28.9901, 13.2988

Sweetspot

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



27.2634, 28.9910, 82.7568



68.1013, 74.3718, 105.3736



34.5642, 61.4795, 30.0475



13.8627, 15.2086, 22.4549



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.



27.2634, 28.9910, 82.7568



28.4539, 27.9331, 98.4997



17.4857, 9.4356, 79.4975



14.9380, 15.9623, 19.2160



13.1332, 12.9134, 45.5433



1.1267, 1.2048, 3.6080

Inverse Universe

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



40.8302, 21.7320, 31.7491



46.5146, 23.4584, 29.4324



60.9088, 70.2296, 12.7300



15.4222, 15.1967, 17.5088



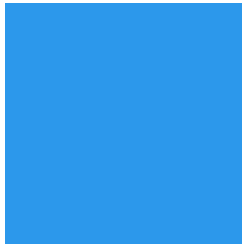
21.4843, 10.7964, 13.6178



1.7352, 0.8670, 1.3229

Previews

White Background



This preview shows how the XYZ color 27.2623, 28.9901, 82.7560 looks on a white background.

Color Contrast Check

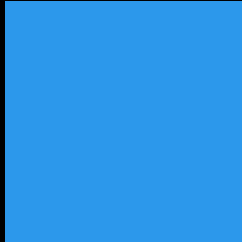
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2623, 28.9901, 82.7560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

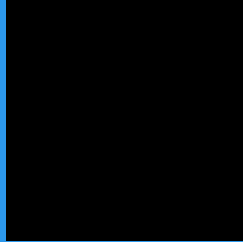
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

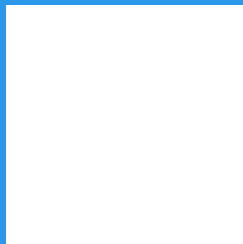
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2623, 28.9901, 82.7560

Background



This preview shows how black text looks on a background with the XYZ color 27.2623, 28.9901, 82.7560.



This preview shows how white text looks on a background with the XYZ color 27.2623, 28.9901,

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

27.2623, 28.9901, 82.7560

Protanopia

30.7578, 28.8358, 76.6178

Deuteranopia

29.6357, 28.7876, 83.3515



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

27.2623, 28.9901, 82.7560

Protanomaly

28.6816, 28.3948, 78.8320

Deuteranomaly

28.4779, 28.6524, 83.3864

Tritanomaly

22.4044, 28.5494, 56.5543

Monochromacy



Original Color

27.2623, 28.9901, 82.7560

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.0505, 23.3151, 40.4366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2623, 28.9901, 82.7560 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(44, 152, 235)` looks like.

```
.text, #text, p{  
    color:rgb(44, 152, 235)  
}
```

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(44, 152, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 152, 235) }
```

Border

The CSS property to change the border of an element to XYZ 27.2623, 28.9901, 82.7560 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(44, 152, 235) }
```


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

```
.border{ border-color:rgb(44, 152, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 152, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 152, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 152, 235);  
box-shadow:4px 4px 4px 4px rgb(44, 152,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2623, 28.9901, 82.7560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 152, 235) }
```

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

```
.background{ background-color: rgb(44, 152,  
235) }
```

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