

Converting Colors

XYZ(27.1786, 30.4569, 82.7409)

Have a look what the booklet for
XYZ(27.1786, 30.4569, 82.7409)
contains.

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Color

**XYZ(27.2223, 30.4519,
83.0403)**

Conversions

Conversions Part 1

Format	Color
Hex	009EEB
RGB	0, 158, 235
RGB Percent	0%, 62%, 92%
CMY	0.9997, 0.3804, 0.0784
CMYK	1.00, 0.33, 0.00, 0.08
HSL	200°, 100%, 46%
HSV	200°, 100%, 92%
XYZ	27.2223, 30.4519, 83.0403
YIQ	119.5360, -118.8850, -9.5490

Conversions

Conversions Part 2

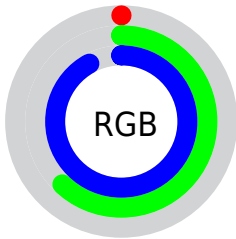
Format	Color
RYB	0, 94, 235
Decimal	40683
CIELab	62.04, -6.81, -48.17
CIELCh	62, 48.651, 261.959
Yxy	30.4519, 0.1935, 0.2164
Android (android.graphics.Color)	4278230763 (0xFF009EEB)
YUV	119.5360, 56.9238, -104.8331
Hunter-Lab	55.1832, -8.5153, -50.5919

Details

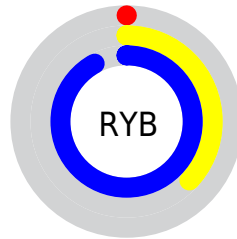
The XYZ color **27.2223, 30.4519, 83.0403** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **36.9201, 22.9795, 2.4915**, and the grayscale version is **17.5632, 18.4778, 20.1223**.

A 20% lighter version of the original color is **47.6569, 57.4328, 103.1816**, and **13.3944, 13.7701, 44.5998** is the 20% darker color. If you saturate the color by 10%, you get **27.2189, 30.4450, 83.0398**, and if you desaturate by 10%, it is **28.9444, 33.3519, 83.5100**.

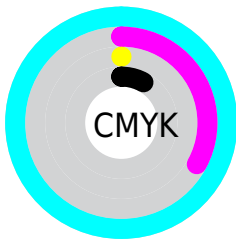
Distribution



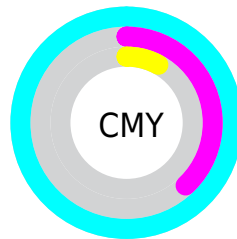
- Red (0%)
- Green (62%)
- Blue (92%)



- Red (0%)
- Yellow (37%)
- Blue (92%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (38%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2223, 30.4519, 83.0403 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 27.2223, 30.4519, 83.0403 by changing the saturation by 10% instead.

■ 27.2223, 30.4519,
83.0403

■ 27.2223, 30.4519,
83.0403

280.8798,
304.0052, 525.0953

■ 17.8777, 20.1818,
61.6826

■ 54.6578, 60.3761,
139.4816

■ 10.9614, 12.5273,
44.3421

■ 73.4793, 80.7990,
175.4024

■ 6.1080, 7.1039,
30.6004

■ 96.1906, 105.3751,
217.0145

■ 2.9521, 3.5271,
20.0389

■ 123.1569,
134.4886, 264.7366

■ 1.1285, 1.4127,
12.2389

■ 154.7436,
168.5239, 318.9872

■ 0.0488, 0.2261,
6.7821

191.3161,

■ 0.0000, 0.0000,

207.8656, 380.1848

3.2498

233.2397,
252.8979, 448.7480

■ 0.0000, 0.0000,
1.2236

■ 0.0000, 0.0000,
0.0000

■ 27.2223, 30.4519,
83.0403

■ 27.2223, 30.4519,
83.0403

■ 27.2189, 30.4450,
83.0398

■ 28.9444, 33.3519,
83.5100

■ 31.1924, 36.6471,
84.0275

■ 34.1082, 40.4131,
84.6007

■ 37.7753, 44.6950,
85.2340

■ 42.2638, 49.5308,
85.9308

■ 47.6353, 54.9545,
86.6946

■ 53.9454, 60.9964,
87.5282

■ 61.2444, 67.6846,
88.4344

■ 69.5793, 75.0449,
89.4158

Harmonies

Analogous

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



21.8742, 30.4519, 70.3143



27.2223, 30.4519, 83.0403



33.8983, 30.4519, 78.9494

Triad

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



27.2223, 30.4519, 83.0403



42.2229, 30.4519, 21.4442



20.1369, 30.4519, 15.5654

Complementary

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



27.2223, 30.4519, 83.0403



36.9201, 22.9795, 2.4915

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.



24.4969, 30.4519, 9.7359



27.2223, 30.4519, 83.0403



37.3924, 30.4519, 12.1318

Square

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



27.2223, 30.4519, 83.0403



43.2441, 30.4519, 38.4465



30.7360, 30.4519, 8.7730



18.2046, 30.4519, 28.3763

Rectangle

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



27.2223, 30.4519, 83.0403



38.1781, 30.4519, 67.7372



30.7360, 30.4519, 8.7730



21.3329, 30.4519, 12.9585

Sweetspot

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



27.2235, 30.4529, 83.0411



64.8016, 73.2974, 105.3401



30.9611, 59.9183, 16.4942



13.1531, 15.0106, 22.4540



0.0000, 0.0000, 0.0000



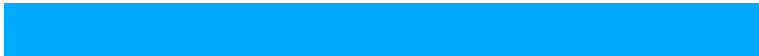
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.2235, 30.4529, 83.0411



32.6931, 36.5063, 99.9310



15.8653, 7.7365, 79.2550



15.0775, 16.2415, 19.2625



15.2697, 17.1865, 46.2555



1.2862, 1.5238, 3.6612

Inverse Universe

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



40.4337, 20.1324, 34.1033



48.6312, 24.2165, 40.8514



53.0958, 55.3309, 7.8834



15.4927, 15.2249, 17.8797



22.5628, 11.2278, 19.2966



1.8157, 0.8992, 1.7469

Previews

White Background



This preview shows how the XYZ color 27.2223, 30.4519, 83.0403 looks on a white background.

Color Contrast Check

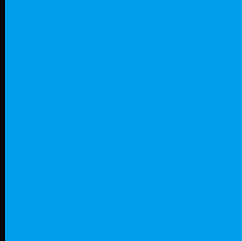
Large Text (above 18pt) WCAG AA × Fail

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 27.2223, 30.4519, 83.0403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

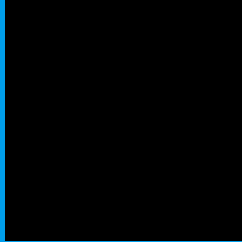
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

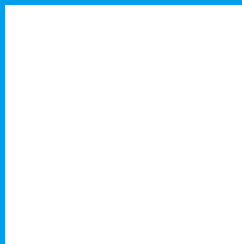
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2223, 30.4519, 83.0403

Background



This preview shows how black text looks on a background with the XYZ color 27.2223, 30.4519, 83.0403.

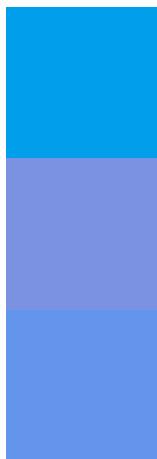


This preview shows how white text looks on a background with the XYZ color 27.2223, 30.4519,

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

27.2223, 30.4519, 83.0403

Protanopia

31.8955, 30.1316, 75.3691

Deuteranopia

31.1791, 30.2620, 84.3186



Tritanopia

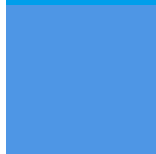
21.6721, 30.4868, 46.8618

Trichromacy



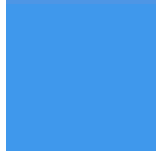
Original Color

27.2223, 30.4519, 83.0403



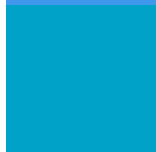
Protanomaly

28.1911, 29.0895, 78.2578



Deuteranomaly

28.4185, 29.5694, 83.5665



Tritanomaly

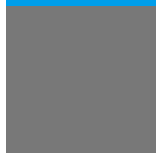
23.4060, 30.3179, 58.6511

Monochromacy



Original Color

27.2223, 30.4519, 83.0403



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

18.0272, 21.1953, 37.3234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2223, 30.4519, 83.0403 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(0, 158, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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(0, 158, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 235) }
```

Border

The CSS property to change the border of an element to XYZ 27.2223, 30.4519, 83.0403 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(0, 158, 235) }
```


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

```
.border{ border-color:rgb(0, 158, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2223, 30.4519, 83.0403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 235) }
```

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

```
.background{ background-color: rgb(0, 158,  
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](#).

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