

Converting Colors

XYZ(11.9697, 23.6646, 79.2243)

Have a look what the booklet for
XYZ(11.9697, 23.6646, 79.2243)
contains.

XYZ(27.3441, 31.6102, 80.2615)	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(27.3441, 31.6102,
80.2615)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2E7
RGB	0, 162, 231
RGB Percent	0%, 64%, 91%
CMY	0.9998, 0.3647, 0.0941
CMYK	1.00, 0.30, 0.00, 0.09
HSL	198°, 100%, 45%
HSV	198°, 100%, 91%
XYZ	27.3441, 31.6102, 80.2615
YIQ	121.4280, -118.7010, -12.8850

Conversions

Conversions Part 2

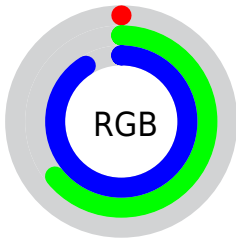
Format	Color
RYB	0, 95, 231
Decimal	41703
CIELab	63.02, -10.53, -44.43
CIELCh	63, 45.657, 256.670
Yxy	31.6102, 0.1964, 0.2271
Android (android.graphics.Color)	4278231783 (0xFF00A2E7)
YUV	121.4280, 54.0190, -106.4924
Hunter-Lab	56.2229, -11.5765, -45.2838

Details

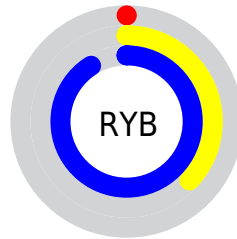
The XYZ color **27.3441, 31.6102, 80.2615** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **35.0871, 21.2523, 2.2544**, and the grayscale version is **18.1763, 19.1229, 20.8248**.

A 20% lighter version of the original color is **48.8067, 59.9099, 103.5991**, and **13.4223, 14.4640, 42.6418** is the 20% darker color. If you saturate the color by 10%, you get **27.3416, 31.6050, 80.2613**, and if you desaturate by 10%, it is **28.9509, 34.2936, 80.6954**.

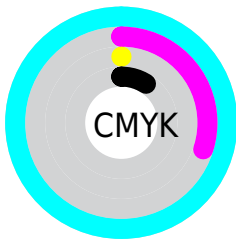
Distribution



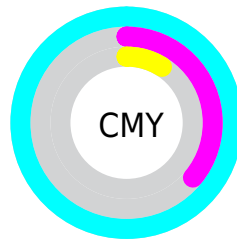
- Red (0%)
- Green (64%)
- Blue (91%)



- Red (0%)
- Yellow (37%)
- Blue (91%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3441, 31.6102, 80.2615 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 27.3441, 31.6102, 80.2615 by changing the saturation by 10% instead.

■ 27.3441, 31.6102,
80.2615

■ 27.3441, 31.6102,
80.2615

281.4566,
309.3397, 515.5437

■ 17.9697, 21.0639,
59.4061

■ 54.8515, 62.1995,
135.5480

■ 11.0278, 13.1707,
42.5180

■ 73.7153, 83.0113,
170.8163

■ 6.1530, 7.5462,
29.1785

■ 96.4730, 108.0138,
211.7259

■ 2.9799, 3.8060,
18.9692

■ 123.4899,
137.5913, 258.6955

■ 1.1431, 1.5656,
11.4714

■ 155.1313,
172.1283, 312.1435

■ 0.0607, 0.3343,
6.2667

191.7627,

■ 0.0000, 0.0000,

212.0091, 372.4885

2.9365

233.7493,
257.6181, 440.1490

■ 0.0000, 0.0000,
1.0623

■ 0.0000, 0.0000,
0.0000

■ 27.3441, 31.6102,
80.2615

■ 27.3441, 31.6102,
80.2615

■ 27.3416, 31.6050,
80.2613

■ 28.9509, 34.2936,
80.6954

■ 31.0494, 37.3306,
81.1710

■ 33.7766, 40.7939,
81.6958

■ 37.2120, 44.7259,
82.2737

■ 41.4227, 49.1625,
82.9081

■ 46.4674, 54.1355,
83.6021

■ 52.3988, 59.6734,
84.3584

■ 59.2652, 65.8025,
85.1795

■ 67.1112, 72.5470,
86.0678

Harmonies

Analogous

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



22.4930, 31.6102, 66.2229



27.3441, 31.6102, 80.2615



33.6454, 31.6102, 79.3470

Triad

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



27.3441, 31.6102, 80.2615



43.1689, 31.6102, 25.4157



22.0849, 31.6102, 15.7156

Complementary

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



27.3441, 31.6102, 80.2615



35.0871, 21.2523, 2.2544

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.



26.7102, 31.6102, 10.7728



27.3441, 31.6102, 80.2615



39.1213, 31.6102, 14.8850

Square

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



27.3441, 31.6102, 80.2615



43.4014, 31.6102, 43.0283



32.9172, 31.6102, 10.5339



19.7547, 31.6102, 27.0408

Rectangle

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



27.3441, 31.6102, 80.2615



37.8532, 31.6102, 70.3011



32.9172, 31.6102, 10.5339



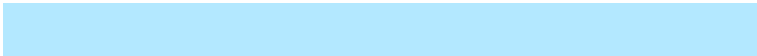
23.3912, 31.6102, 13.4556

Sweetspot

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



27.3453, 31.6112, 80.2623



65.4223, 74.5387, 105.5470



29.5453, 57.5401, 14.6250



13.3017, 15.3079, 22.5036



0.0000, 0.0000, 0.0000



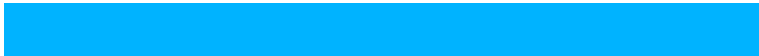
20.3446, 21.4041, 23.3091

Same Dimension

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



27.3453, 31.6112, 80.2623



34.1328, 39.3856, 100.4109



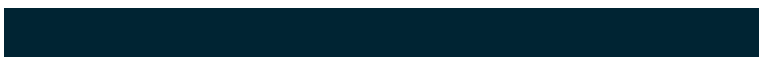
15.5693, 8.0592, 76.3370



14.4249, 15.5711, 18.3896



15.4413, 17.9447, 45.0330



1.2213, 1.4865, 3.3545

Inverse Universe

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



39.4777, 19.5990, 35.8855



49.3579, 24.5071, 44.6781



49.4719, 50.0219, 7.0493



14.8020, 14.5380, 17.1579



22.1876, 11.0092, 20.4145



1.6801, 0.8297, 1.7217

Previews

White Background



This preview shows how the XYZ color 27.3441, 31.6102, 80.2615 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 27.3441, 31.6102, 80.2615 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 27.3441, 31.6102, 80.2615

Background



This preview shows how black text looks on a background with the XYZ color 27.3441, 31.6102, 80.2615.

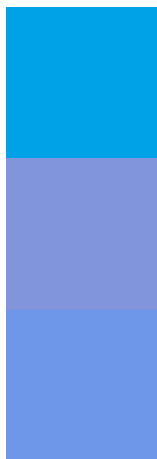


This preview shows how white text looks on a background with the XYZ color 27.3441, 31.6102,

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

27.3441, 31.6102, 80.2615

Protanopia

32.5678, 31.2514, 72.0258

Deuteranopia

32.3483, 31.3887, 82.1956



Tritanopia

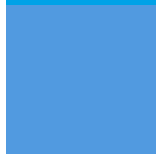
22.5285, 31.7121, 48.6497

Trichromacy



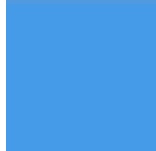
Original Color

27.3441, 31.6102, 80.2615



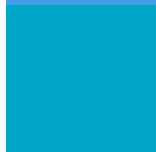
Protanomaly

28.4035, 30.2424, 74.8613



Deuteranomaly

28.9551, 30.6280, 81.4765



Tritanomaly

23.9450, 31.3960, 58.8308

Monochromacy



Original Color

27.3441, 31.6102, 80.2615



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

18.2977, 21.7593, 36.9538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3441, 31.6102, 80.2615 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, 162, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 231)  
}
```

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, 162, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 231) }
```

Border

The CSS property to change the border of an element to XYZ 27.3441, 31.6102, 80.2615 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, 162, 231) }
```


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

```
.border{ border-color:rgb(0, 162, 231) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3441, 31.6102, 80.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 231) }
```

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

```
.background{ background-color: rgb(0, 162,  
231) }
```

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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