

Converting Colors

XYZ(12.9762, 23.9844, 78.9401)

Have a look what the booklet for
XYZ(12.9762, 23.9844, 78.9401)
contains.

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Color

**XYZ(27.0278, 31.2029,
79.4612)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1E6
RGB	0, 161, 230
RGB Percent	0%, 63%, 90%
CMY	0.9998, 0.3686, 0.0980
CMYK	1.00, 0.30, 0.00, 0.10
HSL	198°, 100%, 45%
HSV	198°, 100%, 90%
XYZ	27.0278, 31.2029, 79.4612
YIQ	120.7270, -118.1050, -12.6730

Conversions

Conversions Part 2

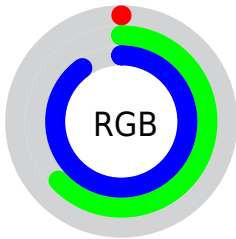
Format	Color
RYB	0, 95, 230
Decimal	41446
CIELab	62.68, -10.33, -44.41
CIELCh	63, 45.599, 256.900
Yxy	31.2029, 0.1963, 0.2266
Android (android.graphics.Color)	4278231526 (0xFF00A1E6)
YUV	120.7270, 53.8716, -105.8776
Hunter-Lab	55.8596, -11.3865, -45.2394

Details

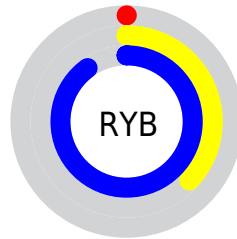
The XYZ color **27.0278, 31.2029, 79.4612** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **34.7656, 21.0869, 2.2396**, and the grayscale version is **17.9514, 18.8862, 20.5671**.

A 20% lighter version of the original color is **48.5497, 59.3959, 103.5135**, and **13.2159, 14.2079, 42.0902** is the 20% darker color. If you saturate the color by 10%, you get **27.0250, 31.1972, 79.4609**, and if you desaturate by 10%, it is **28.6226, 33.8657, 79.8918**.

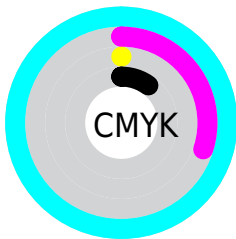
Distribution



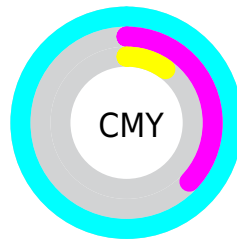
- Red (0%)
- Green (63%)
- Blue (90%)



- Red (0%)
- Yellow (37%)
- Blue (90%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (37%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0278, 31.2029, 79.4612 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 27.0278, 31.2029, 79.4612 by changing the saturation by 10% instead.

■ 27.0278, 31.2029,
79.4612

■ 27.0278, 31.2029,
79.4612

279.9568,
307.4720, 512.7740

■ 17.7308, 20.7534,
58.7515

■ 54.3480, 61.5594,
134.4125

■ 10.8554, 12.9439,
41.9944

■ 73.1020, 82.2351,
169.4912

■ 6.0363, 7.3899,
28.7714

■ 95.7390, 107.0885,
210.1966

■ 2.9080, 3.7071,
18.6639

■ 122.6244,
136.5037, 256.9473

■ 1.1053, 1.5111,
11.2533

■ 154.1235,
170.8653, 310.1619

■ 0.0295, 0.2965,
6.1212

190.6017,

■ 0.0000, 0.0000,

210.5576, 370.2588

2.8489

232.4243,
255.9650, 437.6567

■ 0.0000, 0.0000,
1.0180

■ 0.0000, 0.0000,
0.0000

■ 27.0278, 31.2029,
79.4612

■ 27.0278, 31.2029,
79.4612

■ 27.0250, 31.1972,
79.4609

■ 28.6226, 33.8657,
79.8918

■ 30.7046, 36.8796,
80.3638

■ 33.4096, 40.3166,
80.8846

■ 36.8163, 44.2187,
81.4583

■ 40.9910, 48.6215,
82.0881

■ 45.9918, 53.5564,
82.7770

■ 51.8709, 59.0518,
83.5279

■ 58.6761, 65.1334,
84.3431

■ 66.4514, 71.8256,
85.2250

Harmonies

Analogous

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



22.2114, 31.2029, 65.6329



27.0278, 31.2029, 79.4612



33.2728, 31.2029, 78.4296

Triad

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



27.0278, 31.2029, 79.4612



42.6394, 31.2029, 24.9564



21.7520, 31.2029, 15.5301

Complementary

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



27.0278, 31.2029, 79.4612



34.7656, 21.0869, 2.2396

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.



26.3139, 31.2029, 10.6063



27.0278, 31.2029, 79.4612



38.6053, 31.2029, 14.5962

Square

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



27.0278, 31.2029, 79.4612



42.9015, 31.2029, 42.3466



32.4523, 31.2029, 10.3380



19.4651, 31.2029, 26.7860

Rectangle

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



27.0278, 31.2029, 79.4612



37.4357, 31.2029, 69.3973



32.4523, 31.2029, 10.3380



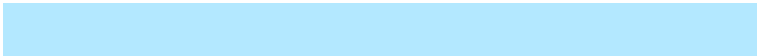
23.0389, 31.2029, 13.2816

Sweetspot

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



27.0290, 31.2039, 79.4620



65.3941, 74.4824, 105.5376



29.3733, 57.0248, 15.0959



13.2949, 15.2944, 22.5013



0.0000, 0.0000, 0.0000



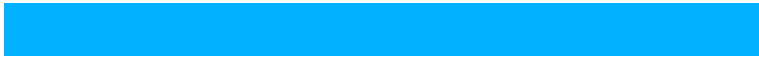
20.3446, 21.4041, 23.3091

Same Dimension

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



27.0290, 31.2039, 79.4620



34.0663, 39.2525, 100.3888



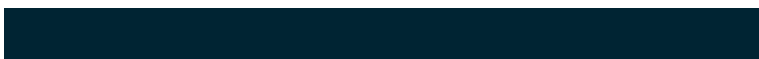
15.2627, 7.6714, 75.5399



14.4232, 15.5678, 18.3890



15.4118, 17.8857, 45.0232



1.2193, 1.4825, 3.3538

Inverse Universe

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



39.0673, 19.3977, 35.4040



49.3243, 24.4937, 44.5012



49.7769, 51.1096, 7.2434



14.8012, 14.5377, 17.1535



22.1727, 11.0033, 20.3360



1.6791, 0.8293, 1.7164

Previews

White Background



This preview shows how the XYZ color 27.0278, 31.2029, 79.4612 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 27.0278, 31.2029, 79.4612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

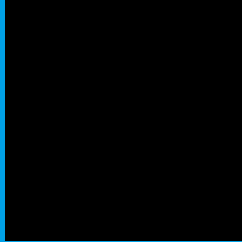
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.0278, 31.2029, 79.4612

Background



This preview shows how black text looks on a background with the XYZ color 27.0278, 31.2029, 79.4612.

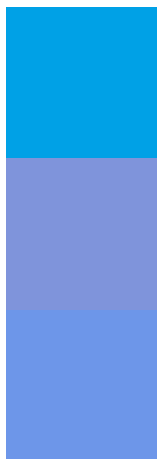


This preview shows how white text looks on a background with the XYZ color 27.0278, 31.2029,

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

27.0278, 31.2029, 79.4612

Protanopia

32.1285, 30.8063, 71.2707

Deuteranopia

31.9210, 30.9471, 81.3818



Tritanopia

22.2409, 31.3006, 48.0494

Trichromacy



Original Color

27.0278, 31.2029, 79.4612

Protanomaly

28.1039, 29.8595, 74.0943

Deuteranomaly

28.5753, 30.2026, 80.6675

Tritanomaly

23.6482, 30.9875, 58.1609

Monochromacy



Original Color

27.0278, 31.2029, 79.4612

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 27.0278, 31.2029, 79.4612 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, 161, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 230)  
}
```

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, 161, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 230) }
```

Border

The CSS property to change the border of an element to XYZ 27.0278, 31.2029, 79.4612 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, 161, 230) }
```


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

```
.border{ border-color:rgb(0, 161, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0278, 31.2029, 79.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 230) }
```

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

```
.background{ background-color: rgb(0, 161,  
230) }
```

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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