

Converting Colors

XYZ(30.9758, 39.2609, 77.7943)

Have a look what the booklet for
XYZ(30.9758, 39.2609, 77.7943)
contains.

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Color

**XYZ(30.9621, 39.2081,
77.8875)**

Conversions

Conversions Part 1

Format	Color
Hex	1DB6E2
RGB	29, 182, 226
RGB Percent	11%, 71%, 89%
CMY	0.8862, 0.2863, 0.1137
CMYK	0.87, 0.19, 0.00, 0.11
HSL	193°, 77%, 50%
HSV	193°, 87%, 89%
XYZ	30.9621, 39.2081, 77.8875
YIQ	141.2690, -105.3120, -18.7520

Conversions

Conversions Part 2

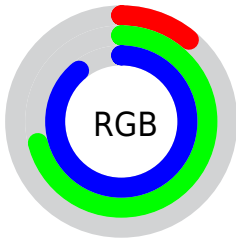
Format	Color
R _Y B	29, 115, 226
Decimal	1947362
CIE Lab	68.90, -21.92, -32.49
CIE LCh	69, 39.191, 235.987
Yxy	39.2081, 0.2091, 0.2648
Android (android.graphics.Color)	4280137442 (0xFF1DB6E2)
YUV	141.2690, 41.7724, -98.4599
Hunter-Lab	62.6164, -21.3152, -29.9184

Details

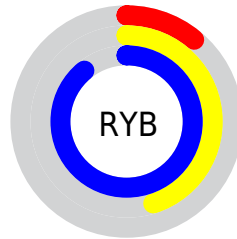
The XYZ color **30.9621, 39.2081, 77.8875** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **33.9706, 21.0260, 3.4320**, and the grayscale version is **25.2971, 26.6146, 28.9833**.

A 20% lighter version of the original color is **55.4346, 71.8798, 105.5602**, and **15.1060, 18.6028, 40.8247** is the 20% darker color. If you saturate the color by 10%, you get **29.5211, 36.9587, 77.5300**, and if you desaturate by 10%, it is **32.9056, 41.7733, 78.2810**.

Distribution



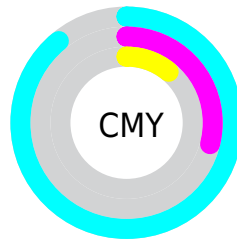
- Red (11%)
- Green (71%)
- Blue (89%)



- Red (11%)
- Yellow (45%)
- Blue (89%)



- Cyan (87%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (89%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9621, 39.2081, 77.8875 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 30.9621, 39.2081, 77.8875 by changing the saturation by 10% instead.

■ 30.9621, 39.2081,
77.8875

■ 30.9621, 39.2081,
77.8875

298.1937,
342.7744, 507.3025

■ 20.7217, 26.9217,
57.4657

■ 60.5566, 73.9561,
132.1759

■ 13.0320, 17.5144,
40.9674

■ 80.6415, 97.1865,
166.8796

■ 7.5277, 10.6019,
27.9741

■ 104.7385,
124.8336, 207.1810

■ 3.8435, 5.7998,
18.0673

■ 133.2130,
157.2819, 253.4987

■ 1.6140, 2.7238,
10.8283

■ 166.4305,
194.9157, 306.2511

■ 0.4015, 0.9893,
5.8388

204.7561,

■ 0.0000, 0.0000,

238.1195, 365.8569

2.6801

248.5554,
287.2776, 432.7345

■ 0.0000, 0.0000,
0.9334

■ 0.0000, 0.0000,
0.0000

■ 30.9621, 39.2081,
77.8875

■ 30.9621, 39.2081,
77.8875

■ 29.5211, 36.9587,
77.5300

■ 32.9056, 41.7733,
78.2810

■ 29.1588, 36.3534,
77.4323

■ 35.4404, 44.6985,
78.7120

■ 38.6384, 48.0221,
79.1850

■ 42.5603, 51.7759,
79.7028

■ 47.2592, 55.9878,
80.2681

■ 52.7834, 60.6832,
80.8833

■ 59.1770, 65.8854,
81.5504

■ 66.4809, 71.6161,
82.2716

■ 74.7334, 77.8954,
83.0487

Harmonies

Analogous

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



27.5068, 39.2081, 59.5467



30.9621, 39.2081, 77.8875



36.4346, 39.2081, 86.8439

Triad

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



30.9621, 39.2081, 77.8875



50.5307, 39.2081, 45.1356



32.2624, 39.2081, 18.6917

Complementary

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



30.9621, 39.2081, 77.8875



33.9706, 21.0260, 3.4320

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.



38.1102, 39.2081, 16.8082



30.9621, 39.2081, 77.8875



49.0974, 39.2081, 29.3602

Square

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



30.9621, 39.2081, 77.8875



48.0974, 39.2081, 64.8871



44.3725, 39.2081, 20.1096



28.1968, 39.2081, 26.2397

Rectangle

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



30.9621, 39.2081, 77.8875



40.6619, 39.2081, 84.8649



44.3725, 39.2081, 20.1096



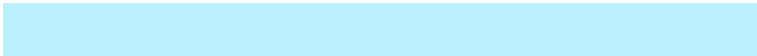
34.0649, 39.2081, 17.4843

Sweetspot

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



30.9634, 39.2095, 77.8885



70.1781, 80.4329, 106.4341



28.8641, 55.1189, 15.1980



14.4433, 16.7344, 22.7188



0.0000, 0.0000, 0.0000



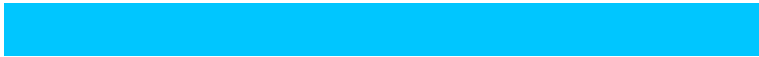
20.3446, 21.4041, 23.3091

Same Dimension

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



30.9634, 39.2095, 77.8885



38.2533, 47.6266, 101.7844



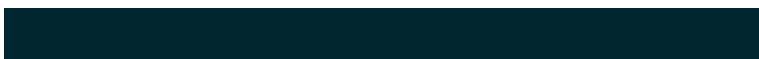
17.4705, 12.2237, 73.3908



13.8433, 15.0258, 17.5583



16.7272, 20.9240, 44.2055



1.2241, 1.5797, 3.0856

Inverse Universe

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



40.2481, 20.4264, 46.0786



51.4377, 25.3391, 55.6303



45.9970, 45.0790, 7.4408



14.1571, 13.8805, 16.5976



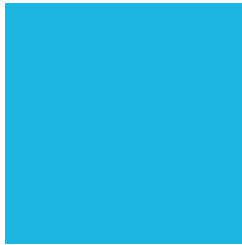
22.3833, 11.0203, 24.4821



1.5841, 0.7769, 1.8689

Previews

White Background



This preview shows how the XYZ color 30.9621, 39.2081, 77.8875 looks on a white background.

Color Contrast Check

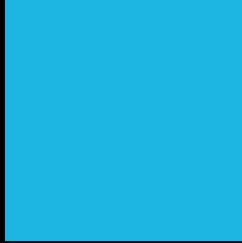
Large Text (above 18pt) WCAG AA × Fail

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 30.9621, 39.2081, 77.8875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

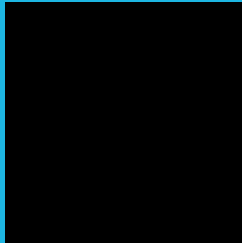
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9621, 39.2081, 77.8875

Background



This preview shows how black text looks on a background with the XYZ color 30.9621, 39.2081, 77.8875.

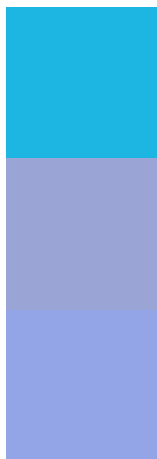


This preview shows how white text looks on a background with the XYZ color 30.9621, 39.2081,

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

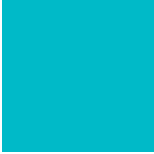
30.9621, 39.2081, 77.8875

Protanopia

38.7918, 38.5844, 68.3538

Deuteranopia

39.7707, 38.8265, 80.2610



Tritanopia

27.9842, 39.2879, 60.7520

Trichromacy



Original Color

30.9621, 39.2081, 77.8875



Protanomaly

33.5245, 37.4390, 71.7892



Deuteranomaly

34.4147, 37.7260, 79.5967



Tritanomaly

28.9956, 39.3725, 66.3930

Monochromacy



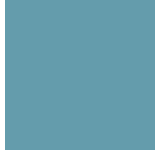
Original Color

30.9621, 39.2081, 77.8875



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.5904, 29.4648, 43.4210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9621, 39.2081, 77.8875 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(29, 182, 226)` looks like.

```
.text, #text, p{  
    color:rgb(29, 182, 226)  
}
```

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(29, 182, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 182, 226) }
```

Border

The CSS property to change the border of an element to XYZ 30.9621, 39.2081, 77.8875 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(29, 182, 226) }
```


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

```
.border{ border-color:rgb(29, 182, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 182, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 182, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 182, 226);  
box-shadow:4px 4px 4px 4px rgb(29, 182,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9621, 39.2081, 77.8875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 182, 226) }
```

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

```
.background{ background-color: rgb(29, 182,  
226) }
```

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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