

Converting Colors

XYZ(19.5070, 32.1467, 76.7816)

Have a look what the booklet for
XYZ(19.5070, 32.1467, 76.7816)
contains.

XYZ(29.6479, 37.3318, 77.5947)	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(29.6479, 37.3318,
77.5947)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2E2
RGB	0, 178, 226
RGB Percent	0%, 70%, 89%
CMY	0.9998, 0.3020, 0.1137
CMYK	1.00, 0.21, 0.00, 0.11
HSL	193°, 100%, 44%
HSV	193°, 100%, 89%
XYZ	29.6479, 37.3318, 77.5947
YIQ	130.2500, -121.4960, -22.8080

Conversions

Conversions Part 2

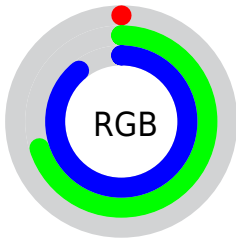
Format	Color
RYB	0, 100, 226
Decimal	45794
CIELab	67.53, -20.93, -34.63
CIELCh	68, 40.466, 238.858
Yxy	37.3318, 0.2051, 0.2582
Android (android.graphics.Color)	4278235874 (0xFF00B2E2)
YUV	130.2500, 47.2047, -114.2292
Hunter-Lab	61.0998, -20.3097, -32.5265

Details

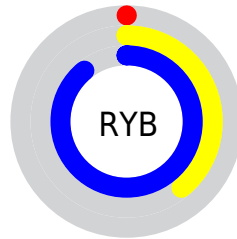
The XYZ color **29.6479, 37.3318, 77.5947** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **32.4241, 18.2878, 1.8227**, and the grayscale version is **21.1823, 22.2854, 24.2688**.

A 20% lighter version of the original color is **53.5362, 69.1914, 105.1414**, and **14.5893, 17.5695, 40.6525** is the 20% darker color. If you saturate the color by 10%, you get **29.6459, 37.3276, 77.5948**, and if you desaturate by 10%, it is **30.9662, 39.4551, 77.9358**.

Distribution



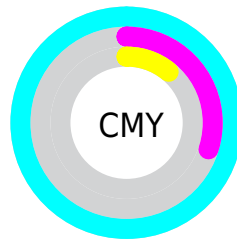
- Red (0%)
- Green (70%)
- Blue (89%)



- Red (0%)
- Yellow (39%)
- Blue (89%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6479, 37.3318, 77.5947 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 29.6479, 37.3318, 77.5947 by changing the saturation by 10% instead.

■ 29.6479, 37.3318,
77.5947

■ 29.6479, 37.3318,
77.5947

292.1991,
334.7448, 506.2807

■ 19.7182, 25.4645,
57.2266

■ 58.4954, 71.0828,
131.7593

■ 12.2975, 16.4235,
40.7766

■ 78.1439, 93.7353,
166.3929

■ 7.0202, 9.8243,
27.8262

■ 101.7627,
120.7516, 206.6187

■ 3.5212, 5.2826,
17.9568

■ 129.7172,
152.5162, 252.8554

■ 1.4350, 2.4140,
10.7499

■ 162.3728,
189.4134, 305.5213

■ 0.2810, 0.8331,
5.7868

200.0947,

■ 0.0000, 0.0000,

231.8276, 365.0352

2.6492

243.2484,
280.1433, 431.8155

■ 0.0000, 0.0000,
0.9177

■ 0.0000, 0.0000,
0.0000

■ 29.6479, 37.3318,
77.5947

■ 29.6479, 37.3318,
77.5947

■ 29.6459, 37.3276,
77.5948

■ 30.9662, 39.4551,
77.9358

■ 32.7201, 41.8525,
78.3061

■ 35.0406, 44.5927,
78.7127

■ 38.0023, 47.7144,
79.1592

■ 41.6679, 51.2506,
79.6485

■ 46.0926, 55.2302,
80.1835

■ 51.3257, 59.6790,
80.7664

■ 57.4125, 64.6209,
81.3994

■ 64.3946, 70.0777,
82.0847

Harmonies

Analogous

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



26.0016, 37.3318, 59.5307



29.6479, 37.3318, 77.5947



35.2449, 37.3318, 85.4330

Triad

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



29.6479, 37.3318, 77.5947



48.8396, 37.3318, 41.3345



30.0157, 37.3318, 17.4172

Complementary

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



29.6479, 37.3318, 77.5947



32.4241, 18.2878, 1.8227

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.



35.7217, 37.3318, 15.1124



29.6479, 37.3318, 77.5947



47.0269, 37.3318, 26.2512

Square

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



29.6479, 37.3318, 77.5947



46.7399, 37.3318, 61.0686



42.0369, 37.3318, 17.8081



26.1959, 37.3318, 25.3777

Rectangle

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



29.6479, 37.3318, 77.5947



39.4923, 37.3318, 82.4613



42.0369, 37.3318, 17.8081



31.7542, 37.3318, 16.0799

Sweetspot

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



29.6492, 37.3331, 77.5956



67.3179, 78.3300, 106.1789



27.6759, 54.5851, 11.5851



13.7573, 16.2192, 22.6555



0.0000, 0.0000, 0.0000



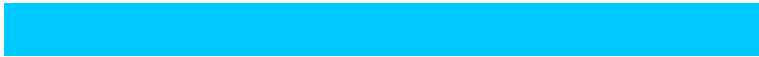
20.3446, 21.4041, 23.3091

Same Dimension

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



29.6492, 37.3331, 77.5956



38.8965, 48.9130, 101.9988



15.7860, 9.6066, 72.9746



13.8565, 15.0521, 17.5627



17.0022, 21.4739, 44.2971



1.2410, 1.6134, 3.0913

Inverse Universe

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



39.4011, 19.3847, 43.7856



51.7624, 25.4689, 57.3400



43.6289, 40.6975, 5.5576



14.1638, 13.8832, 16.6327



22.5221, 11.0758, 25.2129



1.5927, 0.7803, 1.9137

Previews

White Background



This preview shows how the XYZ color 29.6479, 37.3318, 77.5947 looks on a white background.

Color Contrast Check

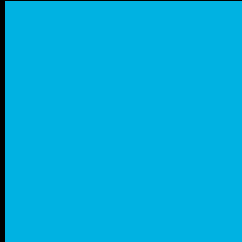
Large Text (above 18pt) WCAG AA × Fail

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 29.6479, 37.3318, 77.5947 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

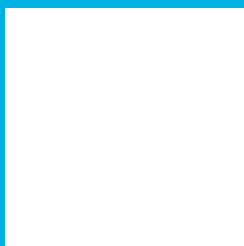
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6479, 37.3318, 77.5947

Background



This preview shows how black text looks on a background with the XYZ color 29.6479, 37.3318, 77.5947.

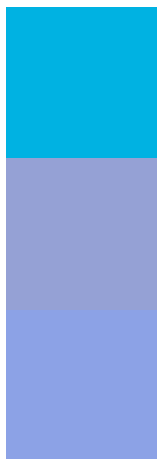


This preview shows how white text looks on a background with the XYZ color 29.6479, 37.3318,

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

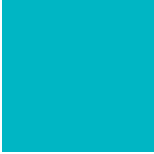
29.6479, 37.3318, 77.5947

Protanopia

37.1495, 36.6834, 68.0734

Deuteranopia

38.0185, 37.1293, 80.0258



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

29.6479, 37.3318, 77.5947



Protanomaly

31.1929, 35.1323, 71.4668



Deuteranomaly

32.2653, 35.7863, 79.3356



Tritanomaly

27.7864, 37.5527, 64.8154

Monochromacy



Original Color

29.6479, 37.3318, 77.5947



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.7925, 25.4230, 39.4086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6479, 37.3318, 77.5947 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, 178, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 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(0, 178, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.6479, 37.3318, 77.5947 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, 178, 226) }
```


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

```
.border{ border-color:rgb(0, 178, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6479, 37.3318, 77.5947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 226) }
```

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

```
.background{ background-color: rgb(0, 178,  
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](#).

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