

Converting Colors

XYZ(47.7079, 71.2303, 90.4638)

Have a look what the booklet for
XYZ(47.7079, 71.2303, 90.4638)
contains.

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Color

**XYZ(47.7927, 71.3609,
90.6120)**

Conversions

Conversions Part 1

Format	Color
Hex	00F5EC
RGB	0, 245, 236
RGB Percent	0%, 96%, 93%
CMY	0.9998, 0.0392, 0.0745
CMYK	1.00, 0.00, 0.04, 0.04
HSL	178°, 100%, 48%
HSV	178°, 100%, 96%
XYZ	47.7927, 71.3609, 90.6120
YIQ	170.7190, -143.1310, -54.7390

Conversions

Conversions Part 2

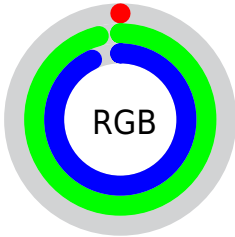
Format	Color
RYB	0, 125, 245
Decimal	62956
CIELab	87.66, -49.21, -9.40
CIELCh	88, 50.102, 190.811
Yxy	71.3609, 0.2278, 0.3402
Android (android.graphics.Color)	4278253036 (0xFF00F5EC)
YUV	170.7190, 32.1835, -149.7206
Hunter-Lab	84.4754, -46.8440, -4.4643

Details

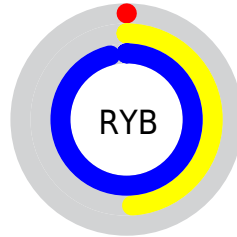
The XYZ color **47.7927, 71.3609, 90.6120** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **37.7078, 19.4343, 2.0241**, and the grayscale version is **38.4732, 40.4768, 44.0792**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.2214, 39.2617, 49.3763** is the 20% darker color. If you saturate the color by 10%, you get **47.7937, 71.3630, 90.6119**, and if you desaturate by 10%, it is **48.3154, 71.6168, 91.3228**.

Distribution



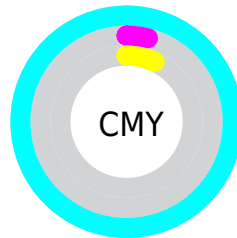
- Red (0%)
- Green (96%)
- Blue (93%)



- Red (0%)
- Yellow (49%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7927, 71.3609, 90.6120 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 47.7927, 71.3609, 90.6120 by changing the saturation by 10% instead.


 47.7927, 71.3609,
90.6120


 47.7927, 71.3609,
90.6120

368.5661,
465.3141, 550.6410


 33.8733, 52.6368,
67.9118


 86.1072, 121.1475,
150.1311


 22.9587, 37.5129,
49.3597


 111.2331,
152.9787, 187.7871


 14.6836, 25.6048,
34.5373


 140.8252,
189.9477, 231.2655

 8.6825, 16.5283,
23.0260

 175.2488,
232.4390, 280.9847

 4.5901, 9.8987,
14.4072

 214.8694,
280.8369, 337.3633

 2.0411, 5.3319,
8.2625

260.0522,

 0.6569, 2.4433,

335.5257, 400.8199

4.1732

311.1627,
396.8900, 471.7729

■ 0.0000, 0.8480,
1.7208

■ 0.0000, 0.0000,
0.3749

■ 47.7927, 71.3609,
90.6120

■ 47.7927, 71.3609,
90.6120

■ 47.7937, 71.3630,
90.6119

■ 48.3154, 71.6168,
91.3228

■ 49.3268, 72.1229,
92.0582

■ 50.9802, 72.9600,
92.8272

■ 53.3667, 74.1749,
93.6340

■ 56.5628, 75.8071,
94.4821

■ 60.6354, 77.8910,
95.3746

■ 65.6443, 80.4576,
96.3145

■ 71.6441, 83.5349,
97.3042

■ 78.6854, 87.1491,
98.3462

Harmonies

Analogous

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



48.4792, 71.3609, 58.1400



47.7927, 71.3609, 90.6120



51.9814, 71.3609, 128.7089

Triad

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



47.7927, 71.3609, 90.6120



83.8579, 71.3609, 138.3932



75.6057, 71.3609, 30.8830

Complementary

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



47.7927, 71.3609, 90.6120



37.7078, 19.4343, 2.0241

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.



86.6026, 71.3609, 42.3397



47.7927, 71.3609, 90.6120



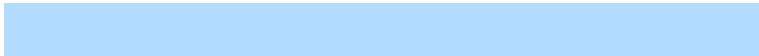
91.7377, 71.3609, 101.2178

Square

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



47.7927, 71.3609, 90.6120



72.1966, 71.3609, 161.1805



92.7970, 71.3609, 66.0767



63.6362, 71.3609, 29.5664

Rectangle

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



47.7927, 71.3609, 90.6120



57.2963, 71.3609, 149.8466



92.7970, 71.3609, 66.0767



79.5735, 71.3609, 33.4754

Sweetspot

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



47.7948, 71.3636, 90.6137



71.8356, 88.0845, 105.4681



32.8098, 65.3875, 10.8936



14.8529, 18.5857, 22.4801



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.



47.7948, 71.3636, 90.6137



52.3376, 78.1510, 99.2164



25.1161, 23.8599, 89.6707



16.9689, 18.7467, 21.1203



25.7585, 38.4482, 48.8754



2.2720, 3.3825, 4.3382

Inverse Universe

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



37.7078, 19.4343, 2.0241



41.2913, 21.2805, 2.2004



43.2646, 30.6269, 3.6331



16.5238, 16.4924, 17.2390



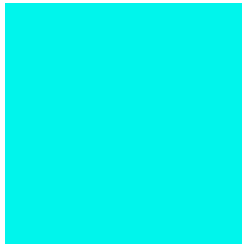
20.3236, 10.4729, 1.1467



1.7948, 0.9239, 0.1456

Previews

White Background



This preview shows how the XYZ color 47.7927, 71.3609, 90.6120 looks on a white background.

Color Contrast Check

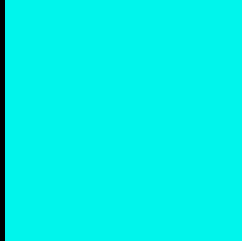
Large Text (above 18pt) WCAG AA × Fail

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 47.7927, 71.3609, 90.6120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

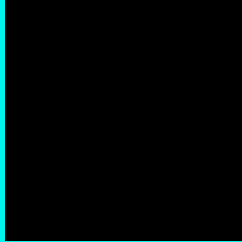
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

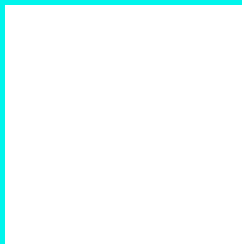
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7927, 71.3609, 90.6120

Background



This preview shows how black text looks on a background with the XYZ color 47.7927, 71.3609, 90.6120.

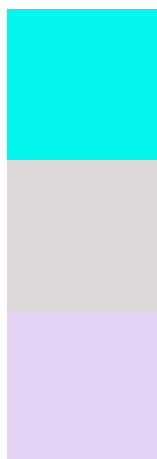


This preview shows how white text looks on a background with the XYZ color 47.7927, 71.3609,

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

47.7927, 71.3609, 90.6120

Protanopia

67.4178, 70.1123, 76.9976

Deuteranopia

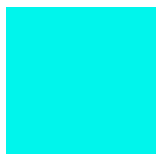
71.3997, 69.8889, 94.5208



Tritanopia

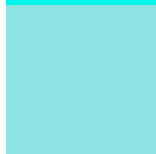
53.9914, 71.1358, 105.4927

Trichromacy



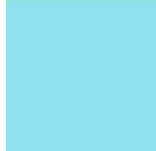
Original Color

47.7927, 71.3609, 90.6120



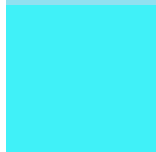
Protanomaly

52.0442, 66.0371, 81.2376



Deuteranomaly

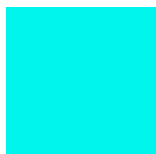
53.8854, 65.5319, 92.2469



Tritanomaly

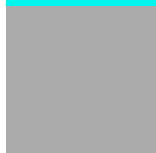
50.5129, 70.7779, 99.8061

Monochromacy



Original Color

47.7927, 71.3609, 90.6120



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.3511, 47.5795, 58.8976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7927, 71.3609, 90.6120 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, 245, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 236)  
}
```

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, 245, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 236) }
```

Border

The CSS property to change the border of an element to XYZ 47.7927, 71.3609, 90.6120 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, 245, 236) }
```


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

```
.border{ border-color:rgb(0, 245, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 245, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7927, 71.3609, 90.6120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 236) }
```

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

```
.background{ background-color: rgb(0, 245,  
236) }
```

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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