

Converting Colors

XYZ(47.1209, 69.7709, 91.1477)

Have a look what the booklet for
XYZ(47.1209, 69.7709, 91.1477)
contains.

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Color

**XYZ(47.0382, 69.6187,
91.0793)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2ED
RGB	0, 242, 237
RGB Percent	0%, 95%, 93%
CMY	0.9997, 0.0510, 0.0706
CMYK	1.00, 0.00, 0.02, 0.05
HSL	179°, 100%, 47%
HSV	179°, 100%, 95%
XYZ	47.0382, 69.6187, 91.0793
YIQ	169.0720, -142.6270, -52.8590

Conversions

Conversions Part 2

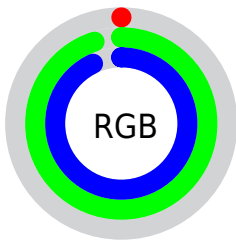
Format	Color
RYB	0, 122, 242
Decimal	62189
CIELab	86.81, -47.65, -11.19
CIELCh	87, 48.945, 193.212
Yxy	69.6187, 0.2264, 0.3351
Android (android.graphics.Color)	4278252269 (0xFF00F2ED)
YUV	169.0720, 33.4885, -148.2761
Hunter-Lab	83.4378, -45.3865, -6.3135

Details

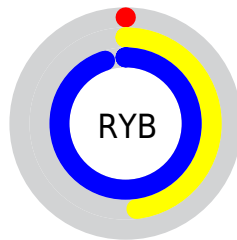
The XYZ color **47.0382, 69.6187, 91.0793** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.6476, 18.8904, 1.8602**, and the grayscale version is **37.6483, 39.6089, 43.1341**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.6895, 38.0341, 49.7034** is the 20% darker color. If you saturate the color by 10%, you get **47.0393, 69.6208, 91.0799**, and if you desaturate by 10%, it is **47.4957, 69.8476, 91.4845**.

Distribution



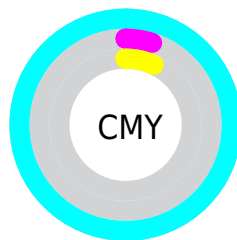
- Red (0%)
- Green (95%)
- Blue (93%)



- Red (0%)
- Yellow (48%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (100%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0382, 69.6187, 91.0793 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 47.0382, 69.6187, 91.0793 by changing the saturation by 10% instead.

47.0382, 69.6187,
91.0793

47.0382, 69.6187,
91.0793

365.6134,
459.2101, 552.1960

33.2739, 51.2157,
68.2974

84.9890, 118.6648,
150.7853

22.4966, 36.3803,
49.6715

109.9063,
150.0768, 188.5464

14.3409, 24.7281,
34.7831

139.2720,
186.5939, 232.1378

8.4414, 15.8746,
23.2136

173.4513,
228.6005, 281.9778

4.4329, 9.4354,
14.5446

212.8098,
276.4810, 338.4851

1.9498, 5.0263,
8.3573

257.7127,

0.6055, 2.2627,

330.6199, 402.0782

4.2334

308.5255,
391.4014, 473.1757

■ 0.0000, 0.7539,
1.7542

■ 0.0000, 0.0000,
0.3975

■ 47.0382, 69.6187,
91.0793

■ 47.0382, 69.6187,
91.0793

■ 47.0393, 69.6208,
91.0799

■ 47.4957, 69.8476,
91.4845

■ 48.4272, 70.3193,
91.9113

■ 49.9822, 71.1125,
92.3683

■ 52.2492, 72.2726,
92.8598

■ 55.3022, 73.8379,
93.3891

■ 59.2061, 75.8419,
93.9593

■ 64.0191, 78.3145,
94.5731

■ 69.7941, 81.2830,
95.2330

■ 76.5800, 84.7726,
95.9413

Harmonies

Analogous

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



47.3208, 69.6187, 59.0743



47.0382, 69.6187, 91.0793



51.4424, 69.6187, 127.4382

Triad

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



47.0382, 69.6187, 91.0793



82.3468, 69.6187, 131.3961



72.7075, 69.6187, 30.1779

Complementary

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



47.0382, 69.6187, 91.0793



36.6476, 18.8904, 1.8602

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.



83.4713, 69.6187, 40.4249



47.0382, 69.6187, 91.0793



89.4594, 69.6187, 95.4245

Square

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



47.0382, 69.6187, 91.0793



71.3092, 69.6187, 154.8394



89.8931, 69.6187, 62.3380



61.2848, 69.6187, 29.6324

Rectangle

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



47.0382, 69.6187, 91.0793



56.7726, 69.6187, 146.8091



89.8931, 69.6187, 62.3380



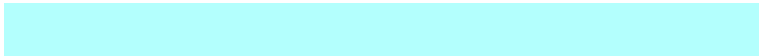
76.5522, 69.6187, 32.4304

Sweetspot

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



47.0403, 69.6213, 91.0810



72.0314, 88.1628, 106.4990



31.8553, 63.5590, 10.5910



14.9007, 18.6048, 22.7313



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.



47.0403, 69.6213, 91.0810



52.9727, 78.4051, 102.5608



23.8917, 22.1381, 87.0210



16.2324, 17.9230, 20.2469



25.2758, 37.4023, 48.9627



2.1072, 3.1133, 4.0968

Inverse Universe

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



36.6476, 18.8904, 1.8602



41.2689, 21.2716, 2.0821



42.5213, 30.6815, 3.6829



15.7861, 15.7641, 16.4296



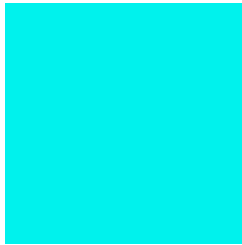
19.6923, 10.1493, 1.0301



1.6428, 0.8462, 0.1100

Previews

White Background



This preview shows how the XYZ color 47.0382, 69.6187, 91.0793 looks on a white background.

Color Contrast Check

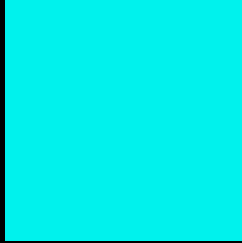
Large Text (above 18pt) WCAG AA × Fail

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 47.0382, 69.6187, 91.0793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

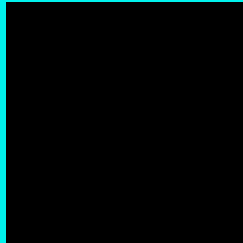
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0382, 69.6187, 91.0793

Background



This preview shows how black text looks on a background with the XYZ color 47.0382, 69.6187, 91.0793.

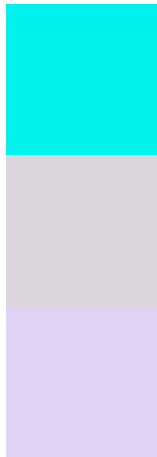


This preview shows how white text looks on a background with the XYZ color 47.0382, 69.6187,

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

47.0382, 69.6187, 91.0793

Protanopia

65.8783, 68.1659, 77.3953

Deuteranopia

69.8072, 68.3128, 95.0944



Tritanopia

51.7275, 69.5377, 105.3035

Trichromacy



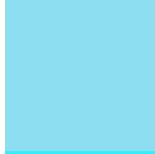
Original Color

47.0382, 69.6187, 91.0793



Protanomaly

51.0306, 64.2913, 81.6714



Deuteranomaly

53.1538, 64.3442, 92.8373



Tritanomaly

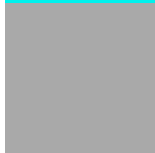
49.2260, 69.2404, 99.5772

Monochromacy



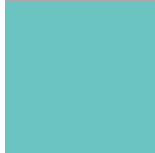
Original Color

47.0382, 69.6187, 91.0793



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.6619, 46.5630, 58.1469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0382, 69.6187, 91.0793 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, 242, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 237)  
}
```

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, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 237) }
```

Border

The CSS property to change the border of an element to XYZ 47.0382, 69.6187, 91.0793 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, 242, 237) }
```


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

```
.border{ border-color:rgb(0, 242, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0382, 69.6187, 91.0793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 237) }
```

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

```
.background{ background-color: rgb(0, 242,  
237) }
```

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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