

Converting Colors

XYZ(38.9721, 69.8603, 90.6061)

Have a look what the booklet for
XYZ(38.9721, 69.8603, 90.6061)
contains.

XYZ(49.9507, 75.6769, 91.3313)	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(49.9507, 75.6769,
91.3313)**

Conversions

Conversions Part 1

Format	Color
Hex	00FCEC
RGB	0, 252, 236
RGB Percent	0%, 99%, 93%
CMY	0.9998, 0.0118, 0.0745
CMYK	1.00, 0.00, 0.06, 0.01
HSL	176°, 100%, 49%
HSV	176°, 100%, 99%
XYZ	49.9507, 75.6769, 91.3313
YIQ	174.8280, -145.0560, -58.4000

Conversions

Conversions Part 2

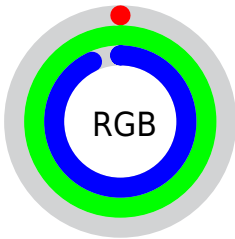
Format	Color
RYB	0, 130, 252
Decimal	64748
CIELab	89.71, -52.15, -6.36
CIELCh	90, 52.535, 186.954
Yxy	75.6769, 0.2302, 0.3488
Android (android.graphics.Color)	4278254828 (0xFF00FCEC)
YUV	174.8280, 30.1578, -153.3242
Hunter-Lab	86.9925, -49.7429, -1.3524

Details

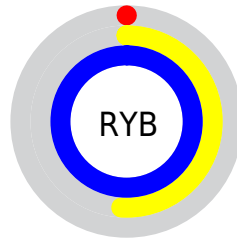
The XYZ color **49.9507, 75.6769, 91.3313** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.2409, 20.7351, 2.3741**, and the grayscale version is **40.5720, 42.6850, 46.4839**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.5300, 41.8789, 49.8125** is the 20% darker color. If you saturate the color by 10%, you get **49.9516, 75.6791, 91.3300**, and if you desaturate by 10%, it is **50.5932, 75.9828, 92.5826**.

Distribution



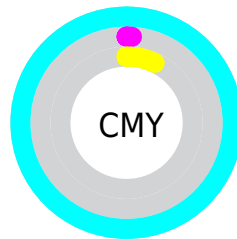
- Red (0%)
- Green (99%)
- Blue (93%)



- Red (0%)
- Yellow (51%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9507, 75.6769, 91.3313 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 49.9507, 75.6769, 91.3313 by changing the saturation by 10% instead.


 49.9507, 75.6769,
91.3313

 49.9507, 75.6769,
91.3313


376.9283,
480.2409, 553.0335


 35.5919, 56.1676,
68.5054


 89.2941, 127.2701,
151.1379


 24.2878, 40.3373,
49.8398


 115.0093,
160.1228, 188.9557

 15.6731, 27.8016,
34.9158


 145.2408,
198.1920, 232.6079

 9.3825, 18.1762,
23.3150

 180.3538,
241.8623, 282.5130

 5.0506, 11.0766,
14.6188

220.7137,
291.5179, 339.0896

 2.3121, 6.1184,
8.4086

266.6858,

 0.8008, 2.9172,

347.5433, 402.7562

4.2660

318.6356,
410.3228, 473.9313

■ 0.0000, 1.0886,
1.7724

■ 0.0000, 0.0000,
0.4097

■ 49.9507, 75.6769,
91.3313

■ 49.9507, 75.6769,
91.3313

■ 49.9516, 75.6791,
91.3300

■ 50.5932, 75.9828,
92.5826

■ 51.7599, 76.5571,
93.8676

■ 53.6133, 77.4850,
95.1957

■ 56.2511, 78.8171,
96.5715

■ 59.7552, 80.5956,
97.9988

■ 64.1974, 82.8575,
99.4810

■ 69.6419, 85.6357,
101.0212

■ 76.1472, 88.9606,
102.6221

■ 83.7673, 92.8600,
104.2863

Harmonies

Analogous

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



51.3776, 75.6769, 57.5352



49.9507, 75.6769, 91.3313



53.8225, 75.6769, 133.0872

Triad

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



49.9507, 75.6769, 91.3313



87.9465, 75.6769, 153.4614



82.1143, 75.6769, 32.6857

Complementary

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



49.9507, 75.6769, 91.3313



40.2409, 20.7351, 2.3741

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.



93.6984, 75.6769, 46.5573



49.9507, 75.6769, 91.3313



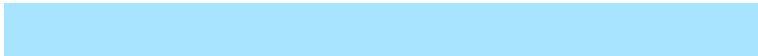
97.3376, 75.6769, 113.5581

Square

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



49.9507, 75.6769, 91.3313



74.9833, 75.6769, 175.2960



99.5596, 75.6769, 74.0695



68.9580, 75.6769, 29.9772

Rectangle

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



49.9507, 75.6769, 91.3313



59.1967, 75.6769, 157.7201



99.5596, 75.6769, 74.0695



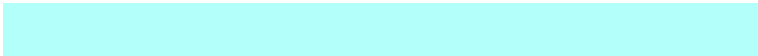
86.3665, 75.6769, 35.9408

Sweetspot

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



49.9529, 75.6797, 91.3331



71.5125, 87.9552, 103.7665



35.0406, 69.7411, 11.6164



14.7743, 18.5543, 22.0659



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.



49.9529, 75.6797, 91.3331



51.3110, 77.7404, 93.8105



27.3689, 26.6227, 95.7947



17.7154, 19.5884, 21.9679



26.0405, 39.4292, 47.6842



2.4258, 3.6574, 4.4901

Inverse Universe

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



40.2409, 20.7351, 2.3741



41.3350, 21.2980, 2.4303



45.6406, 31.6843, 3.7120



17.2893, 17.2431, 18.1133



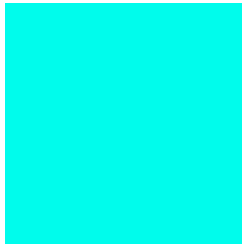
20.9782, 10.8070, 1.3276



1.9581, 1.0070, 0.2028

Previews

White Background



This preview shows how the XYZ color 49.9507, 75.6769, 91.3313 looks on a white background.

Color Contrast Check

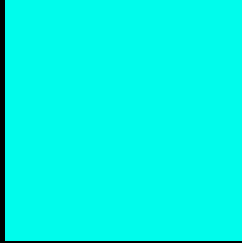
Large Text (above 18pt) WCAG AA × Fail

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 49.9507, 75.6769, 91.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

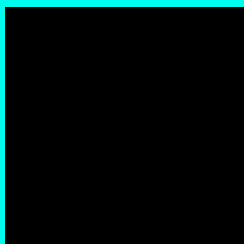
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9507, 75.6769, 91.3313

Background



This preview shows how black text looks on a background with the XYZ color 49.9507, 75.6769, 91.3313.

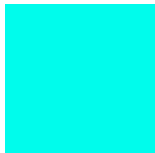


This preview shows how white text looks on a background with the XYZ color 49.9507, 75.6769,

Color Blindness Simulation

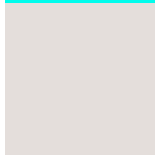
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



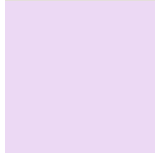
Original Color

49.9507, 75.6769, 91.3313



Protanopia

70.9024, 73.8510, 77.5355



Deuteranopia

75.7341, 73.9902, 95.8779



Tritanopia

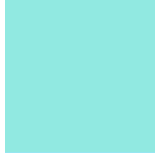
59.5266, 74.8585, 105.9195

Trichromacy



Original Color

49.9507, 75.6769, 91.3313



Protanomaly

54.4066, 69.7338, 81.8266



Deuteranomaly

56.7517, 69.4285, 93.6290



Tritanomaly

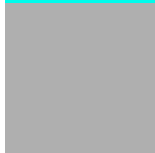
53.2244, 73.5049, 100.1896

Monochromacy



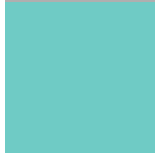
Original Color

49.9507, 75.6769, 91.3313



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.9895, 50.1226, 60.4957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9507, 75.6769, 91.3313 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, 252, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 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, 252, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 236) }
```

Border

The CSS property to change the border of an element to XYZ 49.9507, 75.6769, 91.3313 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, 252, 236) }
```


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

```
.border{ border-color:rgb(0, 252, 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, 252, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9507, 75.6769, 91.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 236) }
```

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

```
.background{ background-color: rgb(0, 252,  
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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