

Converting Colors

XYZ(33.4468, 64.0250, 74.7351)

Have a look what the booklet for
XYZ(33.4468, 64.0250, 74.7351)
contains.

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Color

**XYZ(44.6164, 69.6077,
75.3741)**

Conversions

Conversions Part 1

Format	Color
Hex	00F4D7
RGB	0, 244, 215
RGB Percent	0%, 96%, 84%
CMY	0.9998, 0.0431, 0.1569
CMYK	1.00, 0.00, 0.12, 0.04
HSL	173°, 100%, 48%
HSV	173°, 100%, 96%
XYZ	44.6164, 69.6077, 75.3741
YIQ	167.7380, -136.1150, -60.7470

Conversions

Conversions Part 2

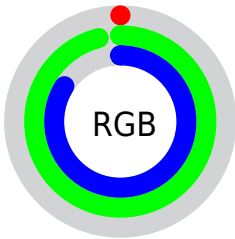
Format	Color
RYB	0, 130, 244
Decimal	62679
CIELab	86.80, -54.53, 0.33
CIELCh	87, 54.535, 179.658
Yxy	69.6077, 0.2353, 0.3671
Android (android.graphics.Color)	4278252759 (0xFF00F4D7)
YUV	167.7380, 23.3002, -147.1062
Hunter-Lab	83.4312, -50.5485, 4.8376

Details

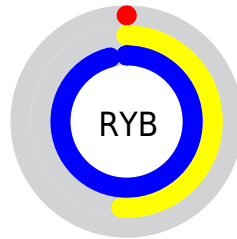
The XYZ color **44.6164, 69.6077, 75.3741** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.5324, 19.3237, 2.9172**, and the grayscale version is **37.0359, 38.9647, 42.4326**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **24.1155, 38.0787, 39.3366** is the 20% darker color. If you saturate the color by 10%, you get **44.6171, 69.6098, 75.3720**, and if you desaturate by 10%, it is **45.3814, 69.9602, 77.3747**.

Distribution



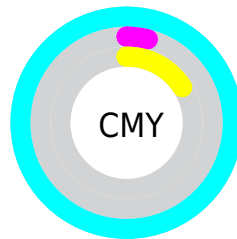
- Red (0%)
- Green (96%)
- Blue (84%)



- Red (0%)
- Yellow (51%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6164, 69.6077, 75.3741 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 44.6164, 69.6077, 75.3741 by changing the saturation by 10% instead.


 44.6164, 69.6077,
75.3741


 44.6164, 69.6077,
75.3741


356.0276,
459.1714, 498.4921


 31.3554, 51.2068,
55.4158


 81.3851, 118.6491,
128.5937


 21.0228, 36.3732,
39.3339


 105.6235,
150.0584, 162.6922


 13.2532, 24.7226,
26.7098

 134.2517,
186.5727, 202.3412

 7.6813, 15.8705,
17.1249

 167.6351,
228.5762, 247.9591

 3.9418, 9.4325,
10.1607

 206.1390,
276.4534, 299.9647

 1.6693, 5.0244,
5.3986

250.1289,

 0.4369, 2.2616,

330.5888, 358.7763

2.4202

299.9699,
391.3666, 424.8126

■ 0.0000, 0.7533,
0.7974

■ 0.0000, 0.0000,
0.0000

■ 44.6164, 69.6077,
75.3741

■ 44.6164, 69.6077,
75.3741

■ 44.6171, 69.6098,
75.3720

■ 45.3814, 69.9602,
77.3747

■ 46.6361, 70.5628,
79.4314

■ 48.5328, 71.4956,
81.5529

■ 51.1616, 72.8051,
83.7437

■ 54.5984, 74.5302,
86.0076

■ 58.9092, 76.7052,
88.3477

■ 64.1535, 79.3606,
90.7670

■ 70.3853, 82.5244,
93.2682

■ 77.6547, 86.2222,
95.8539

Harmonies

Analogous

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



47.2388, 69.6077, 45.6596



44.6164, 69.6077, 75.3741



47.1224, 69.6077, 115.9445

Triad

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



44.6164, 69.6077, 75.3741



78.9980, 69.6077, 154.2852



79.2826, 69.6077, 30.0289

Complementary

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



44.6164, 69.6077, 75.3741



37.5324, 19.3237, 2.9172

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.



89.7379, 69.6077, 46.1775



44.6164, 69.6077, 75.3741



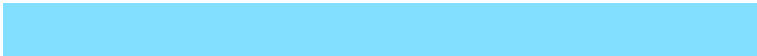
89.5593, 69.6077, 116.9075

Square

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



44.6164, 69.6077, 75.3741



66.0143, 69.6077, 169.4767



93.7158, 69.6077, 76.2093



66.3060, 69.6077, 25.1513

Rectangle

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



44.6164, 69.6077, 75.3741



51.5737, 69.6077, 142.5929



93.7158, 69.6077, 76.2093



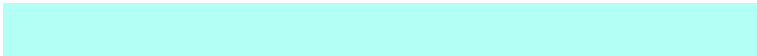
83.2660, 69.6077, 33.9970

Sweetspot

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



44.6184, 69.6104, 75.3758



70.8551, 87.6923, 100.3047



32.9657, 65.0201, 10.8140



14.6146, 18.4904, 21.2252



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.



44.6184, 69.6104, 75.3758



49.3077, 76.9391, 83.2612



27.9774, 29.8263, 89.8735



16.9069, 18.7219, 20.7940



24.2932, 37.8621, 41.1593



2.1586, 3.3371, 3.7412

Inverse Universe

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



37.5324, 19.3237, 2.9172



41.4784, 21.3554, 3.1853



40.9237, 26.4618, 2.9521



16.5792, 16.5146, 17.5309



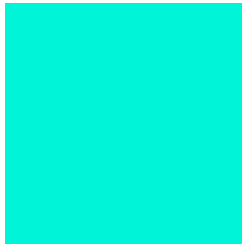
20.4322, 10.5163, 1.7186



1.8212, 0.9344, 0.2846

Previews

White Background



This preview shows how the XYZ color 44.6164, 69.6077, 75.3741 looks on a white background.

Color Contrast Check

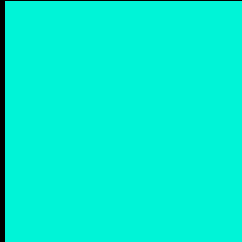
Large Text (above 18pt) WCAG AA × Fail

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 44.6164, 69.6077, 75.3741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

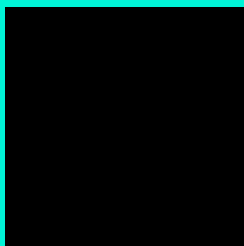
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

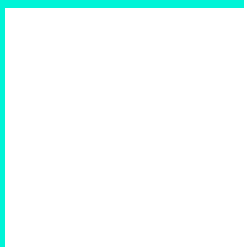
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.6164, 69.6077, 75.3741

Background



This preview shows how black text looks on a background with the XYZ color 44.6164, 69.6077, 75.3741.



This preview shows how white text looks on a background with the XYZ color 44.6164, 69.6077,

Color Blindness Simulation

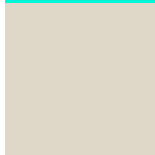
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



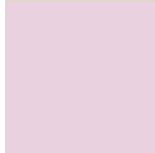
Original Color

44.6164, 69.6077, 75.3741



Protanopia

65.0407, 68.4124, 63.8097



Deuteranopia

69.7240, 68.2523, 79.3112



Tritanopia

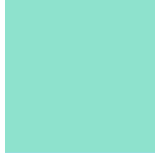
51.9903, 69.6732, 105.3158

Trichromacy



Original Color

44.6164, 69.6077, 75.3741



Protanomaly

49.3711, 64.5513, 67.6151



Deuteranomaly

51.2523, 63.7058, 77.3053



Tritanomaly

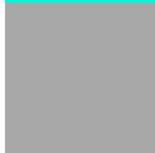
48.3565, 69.3683, 93.2789

Monochromacy



Original Color

44.6164, 69.6077, 75.3741



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.5603, 46.1084, 52.9772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6164, 69.6077, 75.3741 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, 244, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 215)  
}
```

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, 244, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 215) }
```

Border

The CSS property to change the border of an element to XYZ 44.6164, 69.6077, 75.3741 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, 244, 215) }
```


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

```
.border{ border-color:rgb(0, 244, 215) }
```

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

Here you see how a box with a 4 pixel rgb(0, 244, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6164, 69.6077, 75.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 215) }
```

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

```
.background{ background-color: rgb(0, 244,  
215) }
```

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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