

Converting Colors

XYZ(36.9916, 62.4256, 92.9723)

Have a look what the booklet for
XYZ(36.9916, 62.4256, 92.9723)
contains.

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Color

**XYZ(46.4517, 67.4999,
93.7996)**

Conversions

Conversions Part 1

Format	Color
Hex	00EEF1
RGB	0, 238, 241
RGB Percent	0%, 93%, 95%
CMY	0.9997, 0.0667, 0.0549
CMYK	1.00, 0.01, 0.00, 0.05
HSL	181°, 100%, 47%
HSV	181°, 100%, 95%
XYZ	46.4517, 67.4999, 93.7996
YIQ	167.1800, -142.8110, -49.5230

Conversions

Conversions Part 2

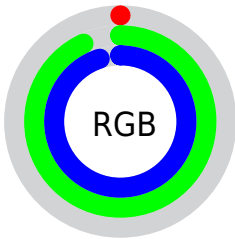
Format	Color
RYB	0, 120, 241
Decimal	61169
CIELab	85.76, -44.76, -14.86
CIELCh	86, 47.161, 198.368
Yxy	67.4999, 0.2236, 0.3249
Android (android.graphics.Color)	4278251249 (0xFF00EEF1)
YUV	167.1800, 36.3933, -146.6169
Hunter-Lab	82.1583, -42.8545, -10.1802

Details

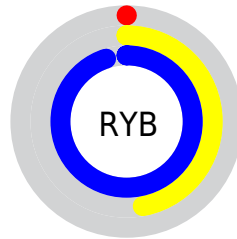
The XYZ color **46.4517, 67.4999, 93.7996** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.3098, 18.7678, 1.7107**, and the grayscale version is **36.7069, 38.6186, 42.0556**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.2808, 36.5505, 51.6215** is the 20% darker color. If you saturate the color by 10%, you get **46.4527, 67.5015, 93.8011**, and if you desaturate by 10%, it is **46.9210, 67.8730, 93.8481**.

Distribution



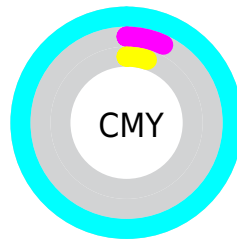
- Red (0%)
- Green (93%)
- Blue (95%)



- Red (0%)
- Yellow (47%)
- Blue (95%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4517, 67.4999, 93.7996 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 46.4517, 67.4999, 93.7996 by changing the saturation by 10% instead.


 46.4517, 67.4999,
93.7996


 46.4517, 67.4999,
93.7996

363.3072,
451.7221, 561.2007


 32.8085, 49.4910,
70.5449


 84.1183, 115.6364,
154.5864


 22.1383, 35.0091,
51.4914


 108.8725,
146.5328, 192.9557


 14.0758, 23.6699,
36.2204


 138.0611,
182.4939, 237.2002

 8.2554, 15.0889,
24.3134

 172.0494,
223.9039, 287.7385

 4.3120, 8.8818,
15.3519

 211.2028,
271.1473, 344.9892

 1.8801, 4.6642,
8.9174

255.8867,

 0.5652, 2.0516,

324.6086, 409.3708

4.5913

306.4664,
384.6720, 481.3017

■ 0.0000, 0.6372,
1.9550

■ 0.0000, 0.0000,
0.5274

■ 46.4517, 67.4999,
93.7996

■ 46.4517, 67.4999,
93.7996

■ 46.4527, 67.5015,
93.8011

■ 46.9210, 67.8730,
93.8481

■ 47.8595, 68.4867,
93.9171

■ 49.4156, 69.4191,
94.0151

■ 51.6767, 70.7151,
94.1461

■ 54.7162, 72.4127,
94.3135

■ 58.5982, 74.5448,
94.5205

■ 63.3804, 77.1411,
94.7696

■ 69.1151, 80.2287,
95.0633

■ 75.8508, 83.8326,
95.4039

Harmonies

Analogous

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



45.9461, 67.4999, 62.1814



46.4517, 67.4999, 93.7996



51.3664, 67.4999, 127.2927

Triad

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



46.4517, 67.4999, 93.7996



80.9014, 67.4999, 120.3225



68.4205, 67.4999, 29.3865

Complementary

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



46.4517, 67.4999, 93.7996



36.3098, 18.7678, 1.7107

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.



78.9111, 67.4999, 37.5005



46.4517, 67.4999, 93.7996



86.6368, 67.4999, 86.1059

Square

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



46.4517, 67.4999, 93.7996



70.9015, 67.4999, 145.3174



85.8702, 67.4999, 56.3564



57.8537, 67.4999, 30.3756

Rectangle

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



46.4517, 67.4999, 93.7996



56.8257, 67.4999, 143.5058



85.8702, 67.4999, 56.3564



72.0924, 67.4999, 31.0208

Sweetspot

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



46.4538, 67.5024, 93.8012



71.9821, 87.6583, 107.7336



31.4570, 62.9121, 10.4872



14.8886, 18.4817, 23.0326



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.



46.4538, 67.5024, 93.8012



52.8060, 76.7320, 106.6353



22.6592, 19.9133, 85.8697



16.2295, 17.8932, 20.3200



25.1979, 36.6200, 50.8682



2.1016, 3.0572, 4.2336

Inverse Universe

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



51.7100, 24.8758, 82.9675



58.7832, 28.2773, 94.3113



43.0575, 32.2631, 3.9600



16.4453, 16.0278, 19.9012



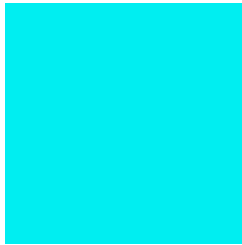
28.0443, 13.4902, 45.0116



2.3357, 1.1233, 3.7589

Previews

White Background



This preview shows how the XYZ color 46.4517, 67.4999, 93.7996 looks on a white background.

Color Contrast Check

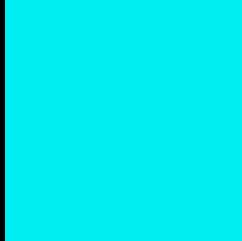
Large Text (above 18pt) WCAG AA × Fail

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 46.4517, 67.4999, 93.7996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

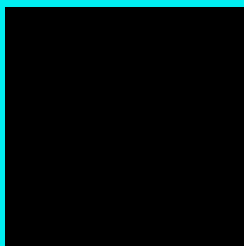
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4517, 67.4999, 93.7996

Background



This preview shows how black text looks on a background with the XYZ color 46.4517, 67.4999, 93.7996.

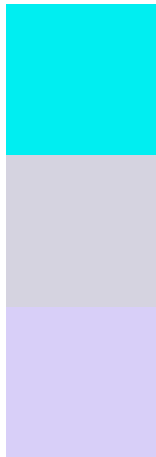


This preview shows how white text looks on a background with the XYZ color 46.4517, 67.4999,

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

46.4517, 67.4999, 93.7996

Protanopia

64.1894, 66.1165, 79.8996

Deuteranopia

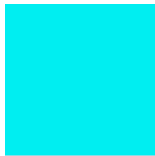
67.5750, 66.0019, 97.9850



Tritanopia

48.9205, 67.6620, 105.0894

Trichromacy



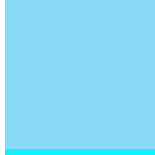
Original Color

46.4517, 67.4999, 93.7996



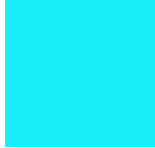
Protanomaly

50.2927, 62.6603, 84.3069



Deuteranomaly

51.8694, 62.0537, 95.6300



Tritanomaly

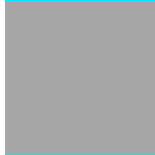
47.9404, 67.6772, 100.9788

Monochromacy



Original Color

46.4517, 67.4999, 93.7996



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.7514, 45.0991, 57.9123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4517, 67.4999, 93.7996 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, 238, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 238, 241)  
}
```

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, 238, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 238, 241) }
```

Border

The CSS property to change the border of an element to XYZ 46.4517, 67.4999, 93.7996 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, 238, 241) }
```


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

```
.border{ border-color:rgb(0, 238, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 238, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 238, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 238, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 238,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4517, 67.4999, 93.7996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 238, 241) }
```

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

```
.background{ background-color: rgb(0, 238,  
241) }
```

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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