

Converting Colors

XYZ(46.9275, 67.0175, 92.4621)

Have a look what the booklet for
XYZ(46.9275, 67.0175, 92.4621)
contains.

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Color

**XYZ(46.7944, 66.8513,
92.0986)**

Conversions

Conversions Part 1

Format	Color
Hex	30ECEF
RGB	48, 236, 239
RGB Percent	19%, 93%, 94%
CMY	0.8117, 0.0745, 0.0627
CMYK	0.80, 0.01, 0.00, 0.06
HSL	181°, 86%, 56%
HSV	181°, 80%, 94%
XYZ	46.7944, 66.8513, 92.0986
YIQ	180.1300, -113.0110, -38.9230

Conversions

Conversions Part 2

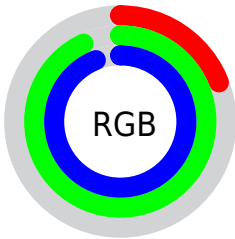
Format	Color
RYB	48, 143, 239
Decimal	3206383
CIELab	85.43, -42.38, -14.27
CIELCh	85, 44.720, 198.605
Yxy	66.8513, 0.2274, 0.3249
Android (android.graphics.Color)	4281396463 (0xFF30ECEF)
YUV	180.1300, 29.0229, -115.8780
Hunter-Lab	81.7626, -40.9255, -9.5512

Details

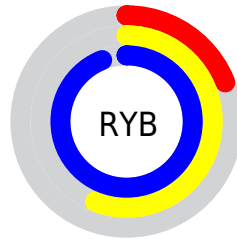
The XYZ color **46.7944, 66.8513, 92.0986** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **37.3155, 20.9336, 4.8721**, and the grayscale version is **43.3484, 45.6059, 49.6648**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **24.6673, 35.6591, 50.3825** is the 20% darker color. If you saturate the color by 10%, you get **45.8482, 66.2048, 92.0249**, and if you desaturate by 10%, it is **48.3512, 67.8158, 92.2040**.

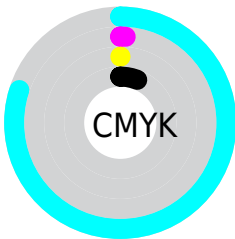
Distribution



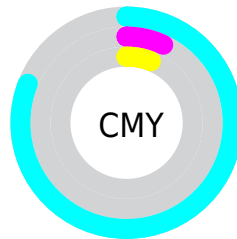
- Red (19%)
- Green (93%)
- Blue (94%)



- Red (19%)
- Yellow (56%)
- Blue (94%)



- Cyan (80%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)





- Cyan (81%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7944, 66.8513, 92.0986 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 46.7944, 66.8513, 92.0986 by changing the saturation by 10% instead.


 46.7944, 66.8513,
92.0986

 46.7944, 66.8513,
92.0986


364.6559,
449.4153, 555.5794

 33.0804, 48.9638,
69.1390


 84.6273, 114.7073,
152.2109

 22.3476, 34.5908,
50.3525


 109.4768,
145.4446, 190.2008

 14.2306, 23.3478,
35.3204

 138.7690,
181.2340, 234.0378

 8.3640, 14.8505,
23.6243

 172.8691,
222.4598, 284.1405

 4.3825, 8.7146,
14.8455

212.1425,
269.5064, 340.9275

 1.9207, 4.5555,
8.5656

256.9545,

 0.5888, 1.9889,

322.7583, 404.8173

4.3660

307.6705,
382.5998, 476.2284

■ 0.0000, 0.6010,
1.8282

■ 0.0000, 0.0000,
0.4465

■ 46.7944, 66.8513,
92.0986

■ 46.7944, 66.8513,
92.0986

■ 45.8482, 66.2048,
92.0249

■ 48.3512, 67.8158,
92.2040


■ 45.3638, 65.7952,
91.9714


■ 50.5980, 69.1350,
92.3402

■ 45.3601, 65.7918,
91.9709


■ 53.6085, 70.8482,
92.5122


■ 57.4457, 72.9879,
92.7229

 62.1659, 75.5831,
92.9751

 67.8203, 78.6603,
93.2710

 74.4566, 82.2440,
93.6130

 82.1189, 86.3569,
94.0030

 87.7981, 89.4479,
94.3003

Harmonies

Analogous

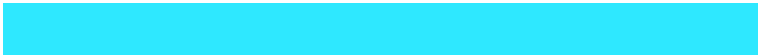
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2788, 66.8513, 62.3050



46.7944, 66.8513, 92.0986



51.4994, 66.8513, 123.2303

Triad

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



46.7944, 66.8513, 92.0986



79.3183, 66.8513, 116.3105



67.4708, 66.8513, 30.6246

Complementary

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



46.7944, 66.8513, 92.0986



37.3155, 20.9336, 4.8721

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.



77.3250, 66.8513, 38.4212



46.7944, 66.8513, 92.0986



84.6347, 66.8513, 84.3892

Square

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



46.7944, 66.8513, 92.0986



69.9662, 66.8513, 139.5756



83.8688, 66.8513, 56.3878



57.5202, 66.8513, 31.6565

Rectangle

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



46.7944, 66.8513, 92.0986



56.6894, 66.8513, 138.1452



83.8688, 66.8513, 56.3878



70.9217, 66.8513, 32.1933

Sweetspot

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



46.7964, 66.8538, 92.1002



75.7011, 89.5714, 107.9069



32.6206, 62.5763, 13.1574



15.7101, 18.9034, 23.0707



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.



46.7964, 66.8538, 92.1002



52.7239, 76.3783, 106.5714



26.6992, 26.6593, 85.4011



16.2249, 17.8839, 20.3184



25.0764, 36.3770, 50.8277



2.0929, 3.0398, 4.2306

Inverse Universe

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



51.7956, 26.5227, 81.7490



58.7881, 28.4564, 93.7908



46.0302, 38.3629, 7.7770



16.4429, 16.0269, 19.8888



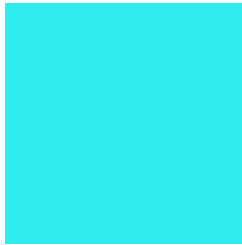
27.9830, 13.4656, 44.6886



2.3313, 1.1216, 3.7357

Previews

White Background



This preview shows how the XYZ color 46.7944, 66.8513, 92.0986 looks on a white background.

Color Contrast Check

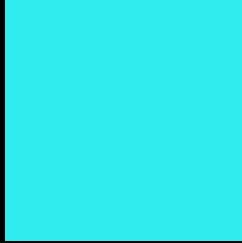
Large Text (above 18pt) WCAG AA × Fail

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 46.7944, 66.8513, 92.0986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

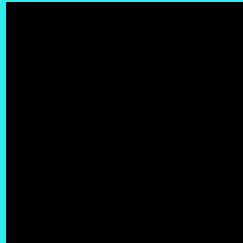
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7944, 66.8513, 92.0986

Background



This preview shows how black text looks on a background with the XYZ color 46.7944, 66.8513, 92.0986.

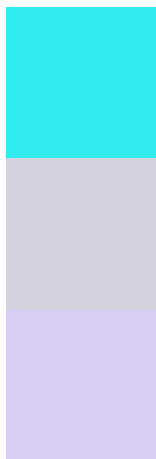


This preview shows how white text looks on a background with the XYZ color 46.7944, 66.8513,

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

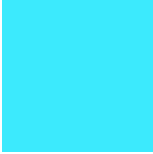
46.7944, 66.8513, 92.0986

Protanopia

63.5173, 65.4179, 79.0912

Deuteranopia

67.0248, 65.3954, 96.2788



Tritanopia

49.0159, 66.8981, 103.2577

Trichromacy



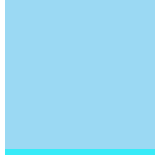
Original Color

46.7944, 66.8513, 92.0986



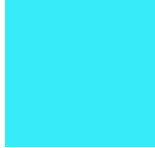
Protanomaly

52.4233, 62.9956, 83.5251



Deuteranomaly

54.5081, 63.0653, 94.0940



Tritanomaly

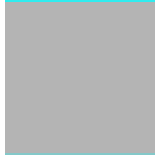
48.2825, 67.0347, 99.2012

Monochromacy



Original Color

46.7944, 66.8513, 92.0986



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

40.7126, 50.4311, 62.8467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7944, 66.8513, 92.0986 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(48, 236, 239)` looks like.

```
.text, #text, p{  
    color:rgb(48, 236, 239)  
}
```

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(48, 236, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 236, 239) }
```

Border

The CSS property to change the border of an element to XYZ 46.7944, 66.8513, 92.0986 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(48, 236, 239) }
```


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

```
.border{ border-color:rgb(48, 236, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 236, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 236, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 236, 239);  
box-shadow:4px 4px 4px 4px rgb(48, 236,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7944, 66.8513, 92.0986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 236, 239) }
```

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

```
.background{ background-color: rgb(48, 236,  
239) }
```

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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