

Converting Colors

XYZ(46.0876, 64.8501, 99.0180)

Have a look what the booklet for
XYZ(46.0876, 64.8501, 99.0180)
contains.

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Color

**XYZ(46.2074, 65.1197,
98.9409)**

Conversions

Conversions Part 1

Format	Color
Hex	0AE9F8
RGB	10, 233, 248
RGB Percent	4%, 91%, 97%
CMY	0.9605, 0.0863, 0.0274
CMYK	0.96, 0.06, 0.00, 0.03
HSL	184°, 94%, 51%
HSV	184°, 96%, 97%
XYZ	46.2074, 65.1197, 98.9409
YIQ	168.0330, -137.7230, -42.6110

Conversions

Conversions Part 2

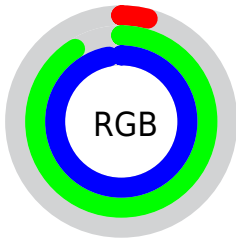
Format	Color
RYB	10, 125, 248
Decimal	715256
CIELab	84.55, -40.23, -20.36
CIELCh	85, 45.093, 206.846
Yxy	65.1197, 0.2198, 0.3097
Android (android.graphics.Color)	4278905336 (0xFF0AE9F8)
YUV	168.0330, 39.4237, -138.5949
Hunter-Lab	80.6968, -39.0093, -16.2067

Details

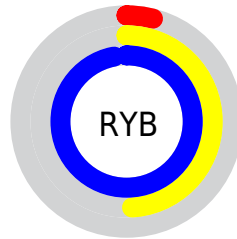
The XYZ color **46.2074, 65.1197, 98.9409** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.1163, 20.6772, 2.2187**, and the grayscale version is **37.1083, 39.0408, 42.5154**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **25.2366, 35.2501, 55.3430** is the 20% darker color. If you saturate the color by 10%, you get **45.9039, 64.6982, 98.8768**, and if you desaturate by 10%, it is **47.2168, 66.3013, 99.1170**.

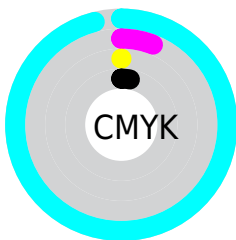
Distribution



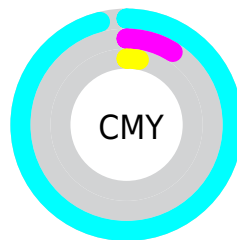
- Red (4%)
- Green (91%)
- Blue (97%)



- Red (4%)
- Yellow (49%)
- Blue (97%)



- Cyan (96%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (96%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2074, 65.1197, 98.9409 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 46.2074, 65.1197, 98.9409 by changing the saturation by 10% instead.

46.2074, 65.1197,
98.9409

46.2074, 65.1197,
98.9409

362.3438,
443.2220, 578.0094

32.6148, 47.5581,
74.8044

83.7553, 112.2219,
161.7401

21.9894, 33.4771,
54.9519

108.4413,
142.5314, 201.2399

13.9656, 22.4922,
38.9649

137.5558,
177.8590, 246.6979

8.1783, 14.2190,
26.4248

171.4642,
218.5890, 298.5326

4.2620, 8.2731,
16.9131

210.5319,
265.1059, 357.1626

1.8514, 4.2702,
10.0112

255.1241,

0.5484, 1.8258,

317.7942, 423.0063

5.3007

305.6063,
377.0380, 496.4824

■ 0.0000, 0.5032,
2.3629

■ 0.0000, 0.0000,
0.7662

■ 46.2074, 65.1197,
98.9409

■ 46.2074, 65.1197,
98.9409

■ 45.9039, 64.6982,
98.8768

■ 47.2168, 66.3013,
99.1170

■ 48.8202, 67.7937,
99.3206

■ 51.1276, 69.6548,
99.5582

■ 54.2257, 71.9294,
99.8339

■ 58.1889, 74.6559,
100.1513

■ 63.0830, 77.8681,
100.5134

■ 68.9675, 81.5968,
100.9230

■ 75.8966, 85.8700,
101.3826

■ 83.9208, 90.7137,
101.8946

Harmonies

Analogous

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



44.5385, 65.1197, 67.9030



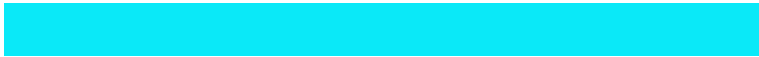
46.2074, 65.1197, 98.9409



51.9182, 65.1197, 128.0470

Triad

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



46.2074, 65.1197, 98.9409



79.5187, 65.1197, 105.6732



62.9635, 65.1197, 28.7643

Complementary

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



46.2074, 65.1197, 98.9409



39.1163, 20.6772, 2.2187

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.



73.0729, 65.1197, 33.9371



46.2074, 65.1197, 98.9409



83.2583, 65.1197, 73.9927

Square

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



46.2074, 65.1197, 98.9409



71.0353, 65.1197, 132.6153



80.7817, 65.1197, 48.7378



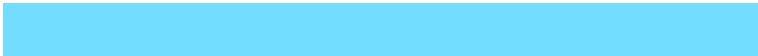
53.5732, 65.1197, 32.1080

Rectangle

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



46.2074, 65.1197, 98.9409



57.6009, 65.1197, 139.5822



80.7817, 65.1197, 48.7378



66.3960, 65.1197, 29.5205

Sweetspot

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



46.2094, 65.1221, 98.9425



71.4086, 85.6315, 107.3726



33.8385, 67.2585, 11.9563



14.7138, 17.9668, 22.9424



0.0000, 0.0000, 0.0000



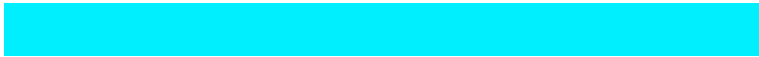
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2094, 65.1221, 98.9425



48.8947, 68.9094, 105.3316



23.4474, 19.5979, 91.3551



17.6666, 19.4101, 22.2007



24.8364, 35.0284, 53.4257



2.3278, 3.2993, 4.9573

Inverse Universe

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



53.5297, 26.0588, 79.3017



56.8090, 27.4876, 83.9152



48.2823, 39.0091, 5.2740



17.9430, 17.5046, 21.5557



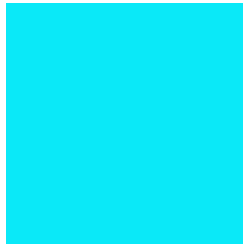
28.8283, 13.9470, 42.6657



2.6839, 1.2973, 4.0247

Previews

White Background



This preview shows how the XYZ color 46.2074, 65.1197, 98.9409 looks on a white background.

Color Contrast Check

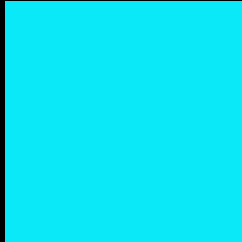
Large Text (above 18pt) WCAG AA × Fail

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 46.2074, 65.1197, 98.9409 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 46.2074, 65.1197, 98.9409

Background



This preview shows how black text looks on a background with the XYZ color 46.2074, 65.1197, 98.9409.

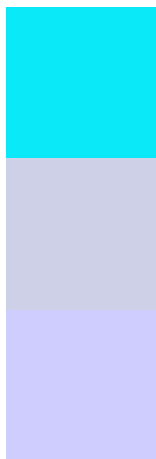


This preview shows how white text looks on a background with the XYZ color 46.2074, 65.1197,

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

46.2074, 65.1197, 98.9409

Protanopia

62.5750, 64.0598, 85.4106

Deuteranopia

65.4528, 64.0838, 102.6856



Tritanopia

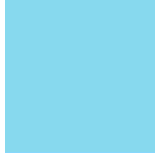
46.6225, 64.8604, 101.3288

Trichromacy



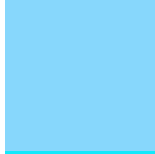
Original Color

46.2074, 65.1197, 98.9409



Protanomaly

50.2371, 60.9497, 90.0056



Deuteranomaly

51.8628, 60.7800, 101.0937



Tritanomaly

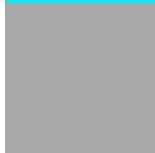
46.3614, 64.7440, 100.4958

Monochromacy



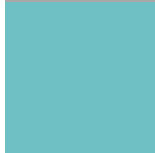
Original Color

46.2074, 65.1197, 98.9409



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.4832, 45.1100, 59.6603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2074, 65.1197, 98.9409 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(10, 233, 248)` looks like.

```
.text, #text, p{  
    color:rgb(10, 233, 248)  
}
```

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(10, 233, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 233, 248) }
```

Border

The CSS property to change the border of an element to XYZ 46.2074, 65.1197, 98.9409 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(10, 233, 248) }
```


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

```
.border{ border-color:rgb(10, 233, 248) }
```

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

Here you see how a box with a 4 pixel rgb(10, 233, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 233, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 233, 248);  
box-shadow:4px 4px 4px 4px rgb(10, 233,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2074, 65.1197, 98.9409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 233, 248) }
```

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

```
.background{ background-color: rgb(10, 233,  
248) }
```

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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