

Converting Colors

XYZ(46.7063, 64.5051,
100.4315)

Have a look what the booklet for
XYZ(46.7063, 64.5051, 100.4315)
contains.

XYZ(46.7063, 64.5051, 100.4315)	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(46.7063, 64.5051,
100.4315)**

Conversions

Conversions Part 1

Format	Color
Hex	28E7FA
RGB	40, 231, 250
RGB Percent	16%, 91%, 98%
CMY	0.8430, 0.0941, 0.0196
CMYK	0.84, 0.08, 0.00, 0.02
HSL	185°, 95%, 57%
HSV	185°, 84%, 98%
XYZ	46.7063, 64.5051, 100.4315
YIQ	176.0570, -119.9350, -34.5830

Conversions

Conversions Part 2

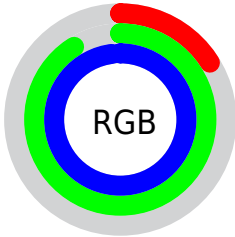
Format	Color
RYB	40, 140, 250
Decimal	2680826
CIELab	84.23, -37.46, -21.88
CIELCh	84, 43.377, 210.290
Yxy	64.5051, 0.2207, 0.3048
Android (android.graphics.Color)	4280870906 (0xFF28E7FA)
YUV	176.0570, 36.4539, -119.3220
Hunter-Lab	80.3151, -36.7468, -17.9198

Details

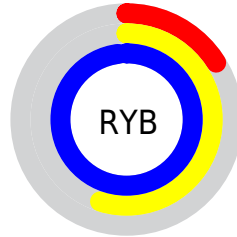
The XYZ color **46.7063, 64.5051, 100.4315** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.3733, 23.6077, 4.3856**, and the grayscale version is **41.1616, 43.3052, 47.1594**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **25.0676, 34.5550, 56.3875** is the 20% darker color. If you saturate the color by 10%, you get **45.4007, 62.8996, 100.1916**, and if you desaturate by 10%, it is **48.6511, 66.4549, 100.7066**.

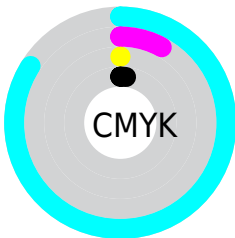
Distribution



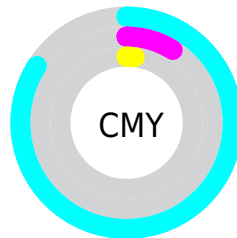
- Red (16%)
- Green (91%)
- Blue (98%)



- Red (16%)
- Yellow (55%)
- Blue (98%)



- Cyan (84%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (84%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7063, 64.5051, 100.4315 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 46.7063, 64.5051, 100.4315 by changing the saturation by 10% instead.

46.7063, 64.5051,
100.4315

46.7063, 64.5051,
100.4315

364.3095,
441.0114, 582.8337

33.0105, 47.0599,
76.0421

84.4965, 111.3380,
163.8071

22.2938, 33.0830,
55.9601

109.3216,
141.4946, 203.6303

14.1907, 22.1900,
39.7672

138.5871,
176.6570, 249.4352

8.3360, 13.9966,
27.0447

172.6585,
217.2097, 301.6403

4.3643, 8.1183,
17.3740

211.9011,
263.5371, 360.6642

1.9102, 4.1707,
10.3368

256.6802,

0.5828, 1.7695,

316.0236, 426.9253

5.5143

307.3612,
375.0536, 500.8423

■ 0.0000, 0.4681,
2.4881

■ 0.0000, 0.0000,
0.8338

■ 46.7063, 64.5051,
100.4315

■ 46.7063, 64.5051,
100.4315

■ 45.4007, 62.8996,
100.1916

■ 48.6511, 66.4549,
100.7066

■ 44.8293, 62.0497,
100.0577

■ 51.3337, 68.7960,
101.0171

■ 54.8420, 71.5749,
101.3685

■ 59.2498, 74.8299,
101.7645

■ 64.6228, 78.5948,
102.2080

■ 71.0206, 82.9003,
102.7018

■ 78.4977, 87.7746,
103.2486

■ 87.1051, 93.2441,
103.8507

■ 93.1055, 97.3821,
104.3331

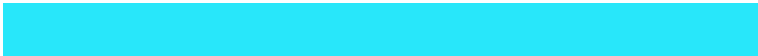
Harmonies

Analogous

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



44.6350, 64.5051, 70.5032



46.7063, 64.5051, 100.4315



52.6054, 64.5051, 126.9152

Triad

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



46.7063, 64.5051, 100.4315



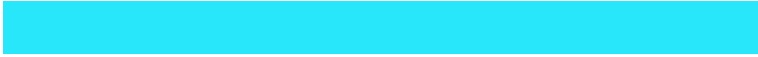
78.7896, 64.5051, 99.8439



61.2167, 64.5051, 29.5109

Complementary

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



46.7063, 64.5051, 100.4315



41.3733, 23.6077, 4.3856

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.



70.9259, 64.5051, 33.5851



46.7063, 64.5051, 100.4315



81.6938, 64.5051, 69.9676

Square

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



46.7063, 64.5051, 100.4315



71.1045, 64.5051, 126.5183



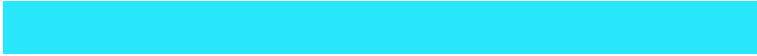
78.6791, 64.5051, 46.7935



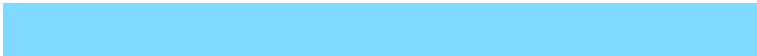
52.4593, 64.5051, 33.7492

Rectangle

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



46.7063, 64.5051, 100.4315



58.2479, 64.5051, 136.3293



78.6791, 64.5051, 46.7935



64.4779, 64.5051, 29.9376

Sweetspot

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



46.7083, 64.5075, 100.4331



73.5463, 86.2238, 107.3743



35.8136, 69.1243, 15.3942



15.2199, 18.1068, 22.9427



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.



46.7083, 64.5075, 100.4331



46.8865, 64.8929, 104.6622



25.7874, 22.6656, 93.4594



17.6237, 19.3242, 22.1864



23.8344, 33.0244, 53.0917



2.2456, 3.1349, 4.9299

Inverse Universe

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



54.6087, 27.6131, 78.0554



55.7953, 27.0821, 78.5773



52.8187, 46.4984, 8.2008



17.9213, 17.4959, 21.4415



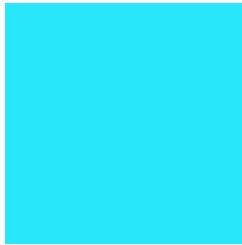
28.3225, 13.7447, 40.0024



2.6424, 1.2807, 3.8062

Previews

White Background



This preview shows how the XYZ color 46.7063, 64.5051, 100.4315 looks on a white background.

Color Contrast Check

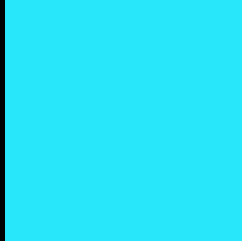
Large Text (above 18pt) WCAG AA × Fail

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 46.7063, 64.5051, 100.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

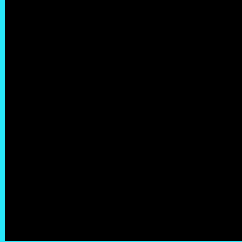
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7063, 64.5051, 100.4315

Background



This preview shows how black text looks on a background with the XYZ color 46.7063, 64.5051, 100.4315.



This preview shows how white text looks on a background with the XYZ color 46.7063, 64.5051,

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

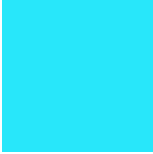
46.7063, 64.5051, 100.4315

Protanopia

62.0659, 63.4035, 86.8088

Deuteranopia

64.5447, 63.2431, 103.4130



Tritanopia

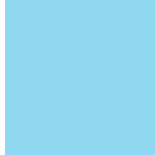
46.7063, 64.5051, 100.4315

Trichromacy



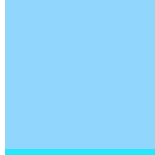
Original Color

46.7063, 64.5051, 100.4315



Protanomaly

51.7856, 61.3323, 91.5470



Deuteranomaly

53.2778, 61.1143, 101.9167



Tritanomaly

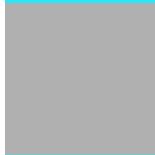
46.7063, 64.5051, 100.4315

Monochromacy



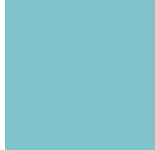
Original Color

46.7063, 64.5051, 100.4315



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.2718, 48.3037, 63.7536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7063, 64.5051, 100.4315 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(40, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(40, 231, 250)  
}
```

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(40, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 231, 250) }
```

Border

The CSS property to change the border of an element to XYZ 46.7063, 64.5051, 100.4315 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(40, 231, 250) }
```


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

```
.border{ border-color:rgb(40, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(40, 231,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7063, 64.5051, 100.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 231, 250) }
```

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

```
.background{ background-color: rgb(40, 231,  
250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor