

Converting Colors

XYZ(46.7960, 63.7250,
100.2762)

Have a look what the booklet for
XYZ(46.7960, 63.7250, 100.2762)
contains.

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Color

**XYZ(46.7960, 63.7250,
100.2762)**

Conversions

Conversions Part 1

Format	Color
Hex	36E5FA
RGB	54, 229, 250
RGB Percent	21%, 90%, 98%
CMY	0.7882, 0.1019, 0.0196
CMYK	0.78, 0.08, 0.00, 0.02
HSL	186°, 95%, 60%
HSV	186°, 78%, 98%
XYZ	46.7960, 63.7250, 100.2762
YIQ	179.0690, -111.0410, -30.5690

Conversions

Conversions Part 2

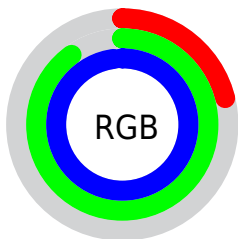
Format	Color
RYB	54, 146, 250
Decimal	3597818
CIELab	83.82, -35.45, -22.48
CIELCh	84, 41.979, 212.374
Yxy	63.7250, 0.2220, 0.3023
Android (android.graphics.Color)	4281787898 (0xFF36E5FA)
YUV	179.0690, 34.9690, -109.6855
Hunter-Lab	79.8279, -35.0603, -18.5978

Details

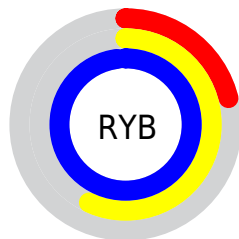
The XYZ color **46.7960, 63.7250, 100.2762** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.6083, 25.6252, 6.1927**, and the grayscale version is **42.7500, 44.9764, 48.9792**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **24.5692, 33.7374, 55.6691** is the 20% darker color. If you saturate the color by 10%, you get **45.0474, 61.7331, 99.9851**, and if you desaturate by 10%, it is **49.2486, 66.0995, 100.6065**.

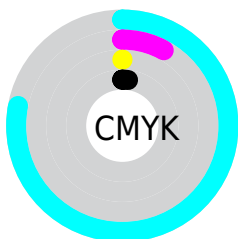
Distribution



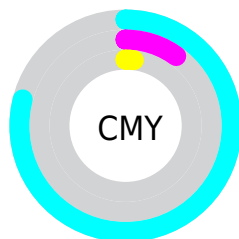
- Red (21%)
- Green (90%)
- Blue (98%)



- Red (21%)
- Yellow (57%)
- Blue (98%)



- Cyan (78%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (79%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7960, 63.7250, 100.2762 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 46.7960, 63.7250, 100.2762 by changing the saturation by 10% instead.

46.7960, 63.7250,
100.2762

46.7960, 63.7250,
100.2762

364.6622,
438.1959, 582.3321

33.0817, 46.4280,
75.9131

84.6296, 110.2148,
163.5919

22.3486, 32.5837,
55.8550

109.4797,
140.1764, 203.3815

14.2313, 21.8077,
39.6835

138.7723,
175.1282, 249.1503

8.3645, 13.7157,
26.9799

172.8729,
215.4548, 301.3170

4.3828, 7.9232,
17.3258

212.1469,
261.5404, 360.2999

1.9209, 4.0458,
10.3027

256.9595,

0.5889, 1.6992,

313.7696, 426.5177

5.4919

307.6761,
372.5266, 500.3889

■ 0.0000, 0.4232,
2.4749

■ 0.0000, 0.0000,
0.8268

■ 46.7960, 63.7250,
100.2762

■ 46.7960, 63.7250,
100.2762

■ 45.0474, 61.7331,
99.9851

■ 49.2486, 66.0995,
100.6065

■ 43.8664, 60.0493,
99.7223

■ 52.4921, 68.8974,
100.9756

■ 43.7008, 59.7927,
99.6815

■ 56.6071, 72.1617,
101.3888

■ 61.6626, 75.9281,
101.8493

67.7205, 80.2285,
102.3601

74.8377, 85.0923,
102.9238

83.0664, 90.5466,
103.5428

92.4557, 96.6167,
104.2196

93.6557, 98.4826,
104.5165

Harmonies

Analogous

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



44.5264, 63.7250, 71.5102



46.7960, 63.7250, 100.2762



52.7146, 63.7250, 124.7905

Triad

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



46.7960, 63.7250, 100.2762



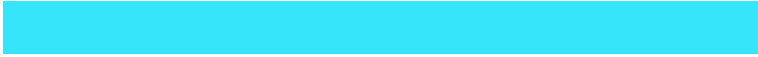
77.6725, 63.7250, 95.6914



59.8373, 63.7250, 30.0158

Complementary

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



46.7960, 63.7250, 100.2762



42.6083, 25.6252, 6.1927

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.



69.1666, 63.7250, 33.4231



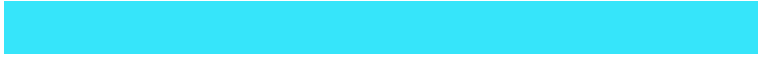
46.7960, 63.7250, 100.2762



80.0643, 63.7250, 67.3037

Square

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



46.7960, 63.7250, 100.2762



70.5656, 63.7250, 121.7058



76.8089, 63.7250, 45.5961



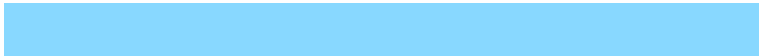
51.5636, 63.7250, 34.7322

Rectangle

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



46.7960, 63.7250, 100.2762



58.2465, 63.7250, 132.8544



76.8089, 63.7250, 45.5961



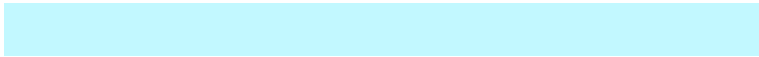
62.9519, 63.7250, 30.2483

Sweetspot

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



46.7980, 63.7273, 100.2777



73.9505, 86.0703, 107.3234



36.9315, 69.6461, 17.9076



15.2811, 18.0453, 22.9276



0.0000, 0.0000, 0.0000



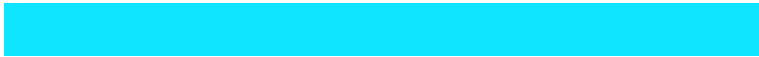
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7980, 63.7273, 100.2777



46.3592, 63.5387, 104.4285



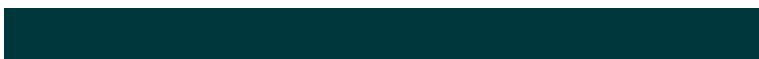
27.0850, 24.3014, 93.7068



17.5976, 19.2721, 22.1777



23.2446, 31.8447, 52.8951



2.1970, 3.0376, 4.9137

Inverse Universe

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



54.8882, 28.6216, 76.7626



55.6024, 27.2851, 76.6975



54.7692, 49.9469, 10.2464



17.9082, 17.4906, 21.3723



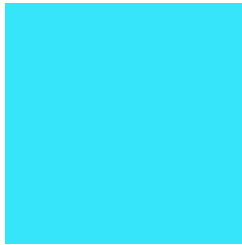
28.0248, 13.6256, 38.4346



2.6179, 1.2709, 3.6770

Previews

White Background



This preview shows how the XYZ color 46.7960, 63.7250, 100.2762 looks on a white background.

Color Contrast Check

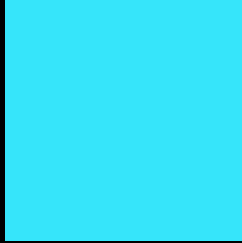
Large Text (above 18pt) WCAG AA × Fail

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 46.7960, 63.7250, 100.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

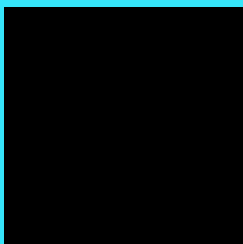
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

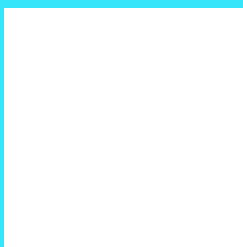
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7960, 63.7250, 100.2762

Background



This preview shows how black text looks on a background with the XYZ color 46.7960, 63.7250, 100.2762.

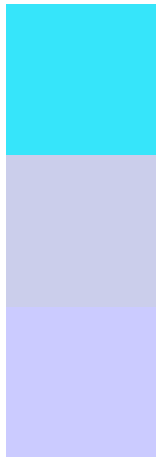


This preview shows how white text looks on a background with the XYZ color 46.7960, 63.7250,

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

46.7960, 63.7250, 100.2762

Protanopia

61.6953, 62.8373, 87.4744

Deuteranopia

64.0345, 62.6284, 103.3212



Tritanopia

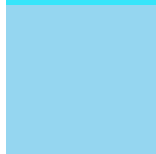
46.3788, 63.5460, 98.6281

Trichromacy



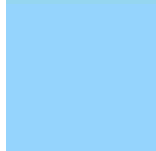
Original Color

46.7960, 63.7250, 100.2762



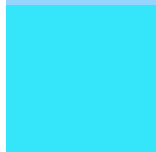
Protanomaly

52.1692, 60.7740, 91.4190



Deuteranomaly

53.6675, 60.5684, 101.7908



Tritanomaly

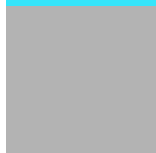
46.5864, 63.6351, 99.4500

Monochromacy



Original Color

46.7960, 63.7250, 100.2762



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

40.8172, 49.4086, 65.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7960, 63.7250, 100.2762 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(54, 229, 250)` looks like.

```
.text, #text, p{  
    color:rgb(54, 229, 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(54, 229, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 229, 250) }
```

Border

The CSS property to change the border of an element to XYZ 46.7960, 63.7250, 100.2762 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(54, 229, 250) }
```


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

```
.border{ border-color:rgb(54, 229, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 229, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 229, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 229, 250);  
box-shadow:4px 4px 4px 4px rgb(54, 229,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7960, 63.7250, 100.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 229, 250) }
```

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

```
.background{ background-color: rgb(54, 229,  
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](#).

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