

Converting Colors

XYZ(46.0001, 62.9591, 97.7235)

Have a look what the booklet for
XYZ(46.0001, 62.9591, 97.7235)
contains.

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Color

**XYZ(46.0001, 62.9591,
97.7235)**

Conversions

Conversions Part 1

Format	Color
Hex	35E4F7
RGB	53, 228, 247
RGB Percent	21%, 89%, 97%
CMY	0.7921, 0.1059, 0.0314
CMYK	0.79, 0.08, 0.00, 0.03
HSL	186°, 92%, 59%
HSV	186°, 79%, 97%
XYZ	46.0001, 62.9591, 97.7235
YIQ	177.8410, -110.3990, -31.1910

Conversions

Conversions Part 2

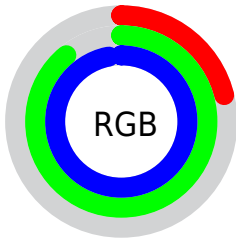
Format	Color
RYB	53, 145, 247
Decimal	3532023
CIELab	83.42, -35.97, -21.50
CIElCh	83, 41.912, 210.870
Yxy	62.9591, 0.2226, 0.3046
Android (android.graphics.Color)	4281722103 (0xFF35E4F7)
YUV	177.8410, 34.0954, -109.4856
Hunter-Lab	79.3468, -35.3742, -17.4788




Details

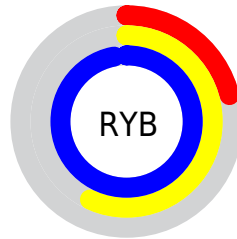
The XYZ color **46.0001, 62.9591, 97.7235** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **41.3196, 24.6683, 5.9538**, and the grayscale version is **42.1036, 44.2962, 48.2386**.




A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **24.1565, 33.2666, 54.4381** is the 20% darker color. If you saturate the color by 10%, you get **44.3597, 61.1337, 97.4588**, and if you desaturate by 10%, it is **48.3219, 65.1522, 98.0256**.

Distribution







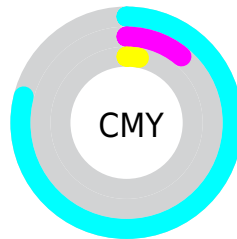
-  Red (21%)
-  Green (89%)
-  Blue (97%)






-  Red (21%)
-  Yellow (57%)
-  Blue (97%)



-  Cyan (79%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (3%)





-  Cyan (79%)
-  Magenta (11%)
-  Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0001, 62.9591, 97.7235 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 46.0001, 62.9591, 97.7235 by changing the saturation by 10% instead.


 46.0001, 62.9591,
97.7235


 46.0001, 62.9591,
97.7235


361.5250,
435.4210, 574.0533


 32.4505, 45.8081,
73.7945


 83.4470, 109.1105,
160.0497


 21.8631, 32.0944,
54.1301


 108.0751,
138.8797, 199.2839

 13.8724, 21.4336,
38.3118


 137.1266,
173.6238, 244.4570

 8.1130, 13.4413,
25.9210

 170.9671,
213.7271, 295.9874

 4.2198, 7.7332,
16.5393

209.9618,
259.5741, 354.2937

 1.8272, 3.9247,
9.7481

254.4761,

 0.5340, 1.6315,

311.5492, 419.7944

5.1289

304.8754,
370.0367, 492.9081

■ 0.0000, 0.3787,
2.2630

■ 0.0000, 0.0000,
0.7104

■ 46.0001, 62.9591,
97.7235

■ 46.0001, 62.9591,
97.7235

■ 44.3597, 61.1337,
97.4588

■ 48.3219, 65.1522,
98.0256

■ 43.2658, 59.6025,
97.2209

■ 51.4096, 67.7527,
98.3648

■ 43.1259, 59.3899,
97.1872

■ 55.3415, 70.8024,
98.7462

■ 60.1847, 74.3358,
99.1730

65.9995, 78.3842,
99.6479

72.8410, 82.9759,
100.1737

80.7601, 88.1374,
100.7525

89.8044, 93.8930,
101.3868

92.1443, 96.2067,
101.7101

Harmonies

Analogous

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



43.9460, 62.9591, 69.3177



46.0001, 62.9591, 97.7235



51.6942, 62.9591, 122.5241

Triad

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



46.0001, 62.9591, 97.7235



76.5251, 62.9591, 96.0589



59.5747, 62.9591, 29.5640

Complementary

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



46.0001, 62.9591, 97.7235



41.3196, 24.6683, 5.9538

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.



68.8012, 62.9591, 33.3415



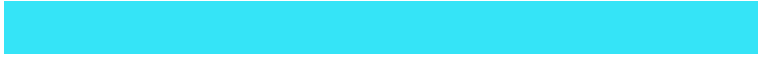
46.0001, 62.9591, 97.7235



79.1690, 62.9591, 67.7915

Square

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



46.0001, 62.9591, 97.7235



69.3089, 62.9591, 121.4037



76.2116, 62.9591, 45.8533



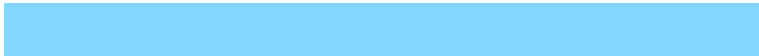
51.2767, 62.9591, 33.8157

Rectangle

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



46.0001, 62.9591, 97.7235



57.0977, 62.9591, 131.1477



76.2116, 62.9591, 45.8533



62.6703, 62.9591, 29.9258

Sweetspot

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



46.0021, 62.9614, 97.7250



74.1245, 86.4181, 107.3813



35.8101, 67.7117, 16.8422



15.3236, 18.1304, 22.9418



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.



46.0021, 62.9614, 97.7250



46.9749, 64.7701, 104.6338



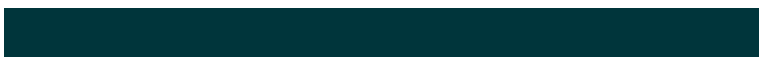
26.7613, 24.4798, 91.3114



16.8499, 18.4641, 21.2184



22.8666, 31.5270, 51.4181



2.0492, 2.8498, 4.5323

Inverse Universe

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



53.6362, 27.9238, 75.9640



55.9131, 27.4094, 78.3340



52.6692, 47.3675, 9.7370



17.1396, 16.7387, 20.4815



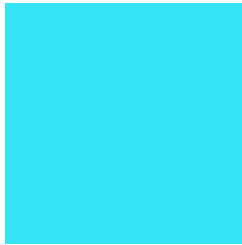
27.3465, 13.2820, 38.1287



2.4234, 1.1753, 3.4560

Previews

White Background



This preview shows how the XYZ color 46.0001, 62.9591, 97.7235 looks on a white background.

Color Contrast Check

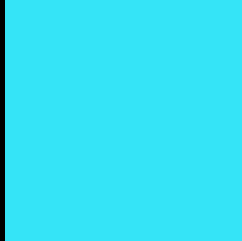
Large Text (above 18pt) WCAG AA × Fail

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 46.0001, 62.9591, 97.7235 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

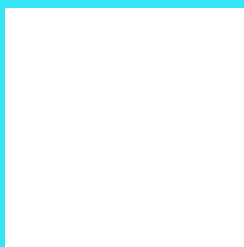
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0001, 62.9591, 97.7235

Background



This preview shows how black text looks on a background with the XYZ color 46.0001, 62.9591, 97.7235.



This preview shows how white text looks on a background with the XYZ color 46.0001, 62.9591,

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

46.0001, 62.9591, 97.7235

Protanopia

60.7539, 62.0454, 85.1178

Deuteranopia

63.4788, 62.0294, 101.5557



Tritanopia

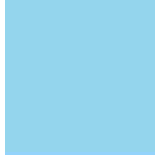
46.0001, 62.9591, 97.7235

Trichromacy



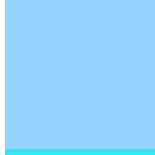
Original Color

46.0001, 62.9591, 97.7235



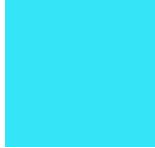
Protanomaly

51.2931, 59.9988, 88.9983



Deuteranomaly

52.9196, 59.8495, 100.0297



Tritanomaly

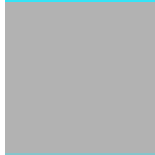
46.0001, 62.9591, 97.7235

Monochromacy



Original Color

46.0001, 62.9591, 97.7235



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.1923, 48.7782, 63.7967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0001, 62.9591, 97.7235 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(53, 228, 247)` looks like.

```
.text, #text, p{  
    color:rgb(53, 228, 247)  
}
```

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(53, 228, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 228, 247) }
```

Border

The CSS property to change the border of an element to XYZ 46.0001, 62.9591, 97.7235 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(53, 228, 247) }
```


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

```
.border{ border-color:rgb(53, 228, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 228, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 228, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 228, 247);  
box-shadow:4px 4px 4px 4px rgb(53, 228,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0001, 62.9591, 97.7235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 228, 247) }
```

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

```
.background{ background-color: rgb(53, 228,  
247) }
```

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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