

Converting Colors

XYZ(46.7469, 60.1300, 97.9392)

Have a look what the booklet for
XYZ(46.7469, 60.1300, 97.9392)
contains.

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Color

**XYZ(46.7529, 60.1374,
97.9505)**

Conversions

Conversions Part 1

Format	Color
Hex	5ADCF8
RGB	90, 220, 248
RGB Percent	35%, 86%, 97%
CMY	0.6470, 0.1372, 0.0274
CMYK	0.64, 0.11, 0.00, 0.03
HSL	191°, 92%, 66%
HSV	191°, 64%, 97%
XYZ	46.7529, 60.1374, 97.9505
YIQ	184.3220, -86.4680, -18.8520

Conversions

Conversions Part 2

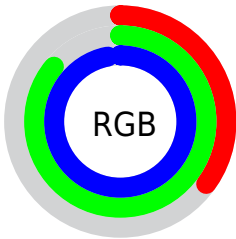
Format	Color
RYB	90, 161, 248
Decimal	5954808
CIELab	81.91, -27.34, -24.25
CIELCh	82, 36.551, 221.572
Yxy	60.1374, 0.2282, 0.2936
Android (android.graphics.Color)	4284144888 (0xFF5ADCF8)
YUV	184.3220, 31.3933, -82.7204
Hunter-Lab	77.5483, -28.0941, -20.6048

Details

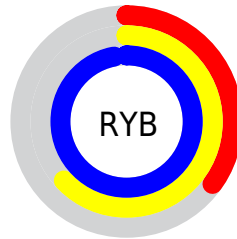
The XYZ color **46.7529, 60.1374, 97.9505** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **47.0369, 33.6534, 13.6913**, and the grayscale version is **45.6061, 47.9812, 52.2515**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **22.9696, 30.7160, 54.5873** is the 20% darker color. If you saturate the color by 10%, you get **43.5929, 56.8197, 97.4778**, and if you desaturate by 10%, it is **50.7514, 63.9349, 98.4739**.

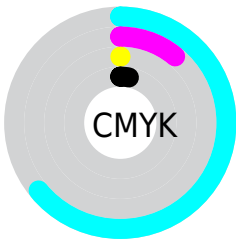
Distribution



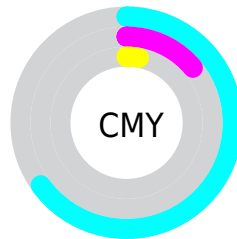
- Red (35%)
- Green (86%)
- Blue (97%)



- Red (35%)
- Yellow (63%)
- Blue (97%)



- Cyan (64%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)



- Cyan (65%)
- Magenta (14%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7529, 60.1374, 97.9505 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 46.7529, 60.1374, 97.9505 by changing the saturation by 10% instead.

46.7529, 60.1374,
97.9505

46.7529, 60.1374,
97.9505

364.4927,
425.1040, 574.7920

33.0475, 43.5294,
73.9827

84.5657, 105.0290,
160.3651

22.3222, 30.3007,
54.2832

109.4037,
134.0813, 199.6489

14.2118, 20.0669,
38.4334

138.6833,
168.0505, 244.8752

8.3508, 12.4437,
26.0148

172.7699,
207.3211, 296.4625

4.3739, 7.0466,
16.6088

212.0288,
252.2773, 354.8292

1.9158, 3.4913,
9.7970

256.8253,

0.5860, 1.3933,

303.3036, 420.3941

5.1607

307.5248,
360.7844, 493.5755

■ 0.0000, 0.2118,
2.2815

■ 0.0000, 0.0000,
0.7208

■ 46.7529, 60.1374,
97.9505

■ 46.7529, 60.1374,
97.9505

■ 43.5929, 56.8197,
97.4778

■ 50.7514, 63.9349,
98.4739

■ 41.1819, 53.9315,
97.0474

■ 55.6549, 68.2431,
99.0470

■ 39.4195, 51.4220,
96.6559

■ 61.5300, 73.0977,
99.6744

■ 38.5489, 49.9883,
96.4250

■ 68.4348, 78.5293,
100.3589

■ 76.4231, 84.5658,
101.1030

■ 85.5448, 91.2332,
101.9092

■ 92.6080, 96.8864,
102.6281

■ 93.9435, 99.5574,
103.0732

Harmonies

Analogous

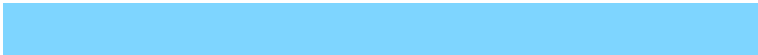
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8094, 60.1374, 74.3871



46.7529, 60.1374, 97.9505



52.5916, 60.1374, 114.6859

Triad

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



46.7529, 60.1374, 97.9505



72.4374, 60.1374, 79.8653



54.2312, 60.1374, 32.0256

Complementary

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



46.7529, 60.1374, 97.9505



47.0369, 33.6534, 13.6913

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.



61.9830, 60.1374, 32.8498



46.7529, 60.1374, 97.9505



72.9770, 60.1374, 57.3128

Square

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



46.7529, 60.1374, 97.9505



67.5903, 60.1374, 102.7304



69.0044, 60.1374, 41.1177



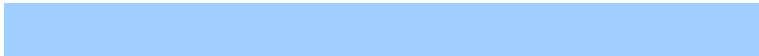
47.8599, 60.1374, 38.5363

Rectangle

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



46.7529, 60.1374, 97.9505



57.5672, 60.1374, 117.8604



69.0044, 60.1374, 41.1177



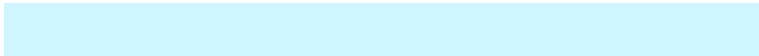
56.7524, 60.1374, 31.5018

Sweetspot

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



46.7548, 60.1396, 97.9520



76.7385, 86.5844, 107.2757



40.9573, 70.5786, 28.0914



15.9162, 18.1455, 22.9135



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.



46.7548, 60.1396, 97.9520



45.7527, 59.7502, 103.7293



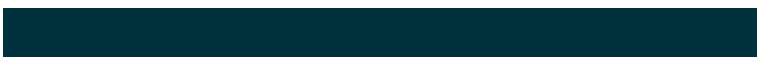
30.9341, 28.4982, 92.6784



17.4888, 19.0545, 22.1414



20.9175, 27.1905, 52.1194



2.0035, 2.6507, 4.8492

Inverse Universe

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



55.2875, 32.4379, 71.0596



55.9249, 29.8210, 70.9754



60.1484, 59.8765, 18.0618



17.8533, 17.4687, 21.0831



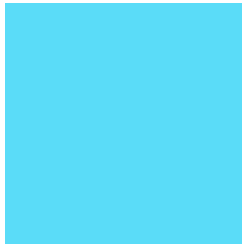
26.8502, 13.1558, 32.2493



2.5202, 1.2318, 3.1628

Previews

White Background



This preview shows how the XYZ color 46.7529, 60.1374, 97.9505 looks on a white background.

Color Contrast Check

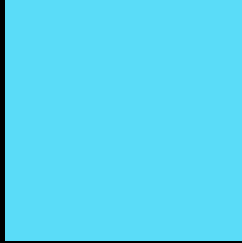
Large Text (above 18pt) WCAG AA × Fail

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 46.7529, 60.1374, 97.9505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

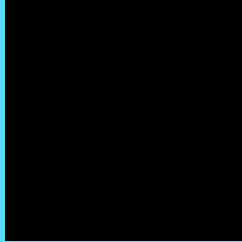
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7529, 60.1374, 97.9505

Background



This preview shows how black text looks on a background with the XYZ color 46.7529, 60.1374, 97.9505.

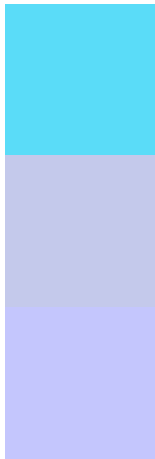


This preview shows how white text looks on a background with the XYZ color 46.7529, 60.1374,

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

46.7529, 60.1374, 97.9505

Protanopia

58.6470, 59.5072, 86.9923

Deuteranopia

60.6887, 59.2158, 101.1597



Tritanopia

45.2742, 59.9233, 90.8415

Trichromacy



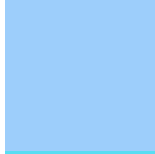
Original Color

46.7529, 60.1374, 97.9505



Protanomaly

52.1887, 58.5711, 90.9928



Deuteranomaly

53.3885, 58.2757, 99.7013



Tritanomaly

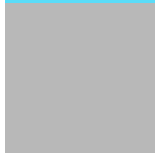
45.8139, 60.1499, 93.1999

Monochromacy



Original Color

46.7529, 60.1374, 97.9505



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.8064, 50.9215, 66.5515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7529, 60.1374, 97.9505 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(90, 220, 248)` looks like.

```
.text, #text, p{  
    color:rgb(90, 220, 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(90, 220, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 220, 248) }
```

Border

The CSS property to change the border of an element to XYZ 46.7529, 60.1374, 97.9505 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(90, 220, 248) }
```


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

```
.border{ border-color:rgb(90, 220, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 220, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 220, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 220, 248);  
box-shadow:4px 4px 4px 4px rgb(90, 220,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7529, 60.1374, 97.9505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 220, 248) }
```

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

```
.background{ background-color: rgb(90, 220,  
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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