

Converting Colors

XYZ(46.9075, 53.0339, 76.7671)

Have a look what the booklet for
XYZ(46.9075, 53.0339, 76.7671)
contains.

XYZ(46.9347, 52.9908, 76.8618)	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(46.9347, 52.9908,
76.8618)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC7DE
RGB	154, 199, 222
RGB Percent	60%, 78%, 87%
CMY	0.3961, 0.2196, 0.1294
CMYK	0.31, 0.10, 0.00, 0.13
HSL	200°, 51%, 74%
HSV	200°, 31%, 87%
XYZ	46.9347, 52.9908, 76.8618
YIQ	188.1670, -34.2030, -2.3870

Conversions

Conversions Part 2

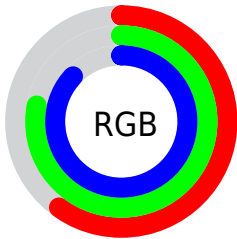
Format	Color
RYB	154, 181, 222
Decimal	10143710
CIELab	77.87, -9.41, -16.24
CIELCh	78, 18.763, 239.915
Yxy	52.9908, 0.2655, 0.2997
Android (android.graphics.Color)	4288333790 (0xFF9AC7DE)
YUV	188.1670, 16.6797, -29.9645
Hunter-Lab	72.7948, -12.3023, -11.6462

Details

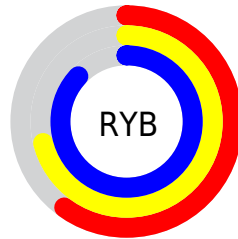
The XYZ color **46.9347, 52.9908, 76.8618** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6799, 49.3076, 37.3668**, and the grayscale version is **47.8183, 50.3086, 54.7860**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **22.4673, 25.8075, 40.3564** is the 20% darker color. If you saturate the color by 10%, you get **41.4090, 47.6417, 76.1215**, and if you desaturate by 10%, it is **53.3303, 58.9174, 77.6696**.

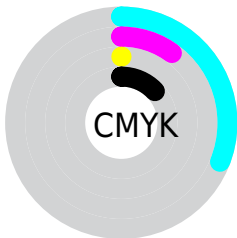
Distribution



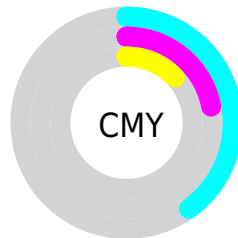
- Red (60%)
- Green (78%)
- Blue (87%)



- Red (60%)
- Yellow (71%)
- Blue (87%)



- Cyan (31%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (40%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9347, 52.9908, 76.8618 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 46.9347, 52.9908, 76.8618 by changing the saturation by 10% instead.

■ 46.9347, 52.9908,
76.8618

■ 46.9347, 52.9908,
76.8618

365.2071,
398.2498, 503.7178

■ 33.1918, 37.7954,
56.6286

■ 84.8355, 94.5908,
130.7156

■ 22.4333, 25.8240,
40.2997

■ 109.7240,
121.7643, 165.1733

■ 14.2940, 16.6920,
27.4568

139.0585,
153.6992, 205.2095

■ 8.4085, 10.0151,
17.6811

173.2043,
190.7800, 251.2428

■ 4.4114, 5.4090,
10.5542

212.5266,
233.3911, 303.6918

■ 1.9374, 2.4892,
5.6576

257.3910,

■ 0.5984, 0.8712,

281.9168, 362.9749

2.5726

308.1627,
336.7416, 429.5107

■ 0.0000, 0.0000,
0.8783

■ 0.0000, 0.0000,
0.0000

■ 46.9347, 52.9908,
76.8618

■ 46.9347, 52.9908,
76.8618

■ 41.4090, 47.6417,
76.1215

■ 53.3303, 58.9174,
77.6696

■ 36.7039, 42.8392,
75.4425

■ 60.6319, 65.4381,
78.5433

■ 32.7726, 38.5585,
74.8234

■ 68.8795, 72.5765,
79.4865

■ 29.5609, 34.7697,
74.2614

■ 78.1090, 80.3529,
80.5010

■ 27.0072, 31.4392,
73.7531

■ 84.5777, 86.8394,
81.4121

■ 25.0381, 28.5273,
73.2948

■ 86.7918, 91.2676,
82.1502

■ 23.6060, 26.1160,
72.9049

■ 89.0980, 95.8799,
82.9189

■ 90.1850, 98.0540,
83.2812

Harmonies

Analogous

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



44.5336, 52.9908, 68.2954



46.9347, 52.9908, 76.8618



50.3557, 52.9908, 80.1815

Triad

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



46.9347, 52.9908, 76.8618



57.7030, 52.9908, 57.7279



46.9520, 52.9908, 41.9936

Complementary

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



46.9347, 52.9908, 76.8618



51.6799, 49.3076, 37.3668

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.



50.3766, 52.9908, 39.8673



46.9347, 52.9908, 76.8618



56.6869, 52.9908, 48.2577

Square

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



46.9347, 52.9908, 76.8618



56.6756, 52.9908, 68.3534



53.9609, 52.9908, 42.0178



44.5433, 52.9908, 48.2118

Rectangle

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



46.9347, 52.9908, 76.8618



52.7907, 52.9908, 78.6964



53.9609, 52.9908, 42.0178



48.0170, 52.9908, 40.8126

Sweetspot

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



46.9363, 52.9929, 76.8630



84.6786, 91.0514, 107.7194



47.3516, 62.2748, 50.9469



17.7876, 19.1933, 23.0171



0.0000, 0.0000, 0.0000



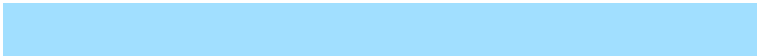
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9363, 52.9929, 76.8630



59.0892, 67.5842, 104.5385



40.0279, 39.1761, 74.5602



13.7058, 14.7507, 17.5125



14.1280, 15.7255, 43.3391



1.0611, 1.2536, 3.0313

Inverse Universe

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



51.9900, 42.7658, 59.5495



67.2552, 51.9601, 76.3602



59.1696, 64.2869, 39.8633



14.0877, 13.8527, 16.2320



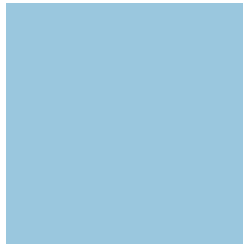
21.0714, 10.4955, 17.5734



1.5018, 0.7440, 1.4355

Previews

White Background



This preview shows how the XYZ color 46.9347, 52.9908, 76.8618 looks on a white background.

Color Contrast Check

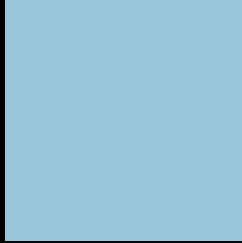
Large Text (above 18pt) WCAG AA × Fail

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 46.9347, 52.9908, 76.8618 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 46.9347, 52.9908, 76.8618

Background



This preview shows how black text looks on a background with the XYZ color 46.9347, 52.9908, 76.8618.



This preview shows how white text looks on a background with the XYZ color 46.9347, 52.9908,

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

46.9347, 52.9908, 76.8618

Protanopia

51.5472, 52.4761, 72.3778

Deuteranopia

53.7305, 52.5246, 77.8274



Tritanopia

46.1858, 53.0387, 72.7690

Trichromacy



Original Color

46.9347, 52.9908, 76.8618

Protanomaly

49.6293, 52.4320, 73.8343

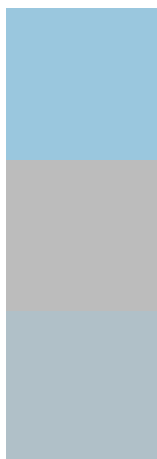
Deuteranomaly

50.7725, 52.2926, 77.2295

Tritanomaly

46.4460, 53.1428, 74.1393

Monochromacy



Original Color

46.9347, 52.9908, 76.8618

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.1795, 51.0995, 62.0201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9347, 52.9908, 76.8618 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(154, 199, 222)` looks like.

```
.text, #text, p{  
    color:rgb(154, 199, 222)  
}
```

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(154, 199, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 199, 222) }
```

Border

The CSS property to change the border of an element to XYZ 46.9347, 52.9908, 76.8618 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(154, 199, 222) }
```


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

```
.border{ border-color:rgb(154, 199, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 199, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 199, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 199, 222);  
box-shadow:4px 4px 4px 4px rgb(154, 199,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9347, 52.9908, 76.8618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 199, 222) }
```

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

```
.background{ background-color: rgb(154,  
199, 222) }
```

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