

Converting Colors

XYZ(47.9932, 53.4235, 78.7492)

Have a look what the booklet for
XYZ(47.9932, 53.4235, 78.7492)
contains.

XYZ(48.1146, 53.5522, 79.0349)	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(48.1146, 53.5522,
79.0349)**

Conversions

Conversions Part 1

Format	Color
Hex	9EC7E1
RGB	158, 199, 225
RGB Percent	62%, 78%, 88%
CMY	0.3804, 0.2196, 0.1176
CMYK	0.30, 0.12, 0.00, 0.12
HSL	203°, 53%, 75%
HSV	203°, 30%, 88%
XYZ	48.1146, 53.5522, 79.0349
YIQ	189.7050, -32.7820, -0.6060

Conversions

Conversions Part 2

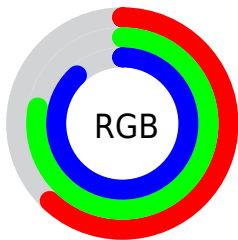
Format	Color
R _Y B	158, 183, 225
Decimal	10405857
CIE Lab	78.20, -7.55, -17.33
CIE LCh	78, 18.900, 246.471
Yxy	53.5522, 0.2663, 0.2964
Android (android.graphics.Color)	4288595937 (0xFF9EC7E1)
YUV	189.7050, 17.4004, -27.8053
Hunter-Lab	73.1794, -10.7022, -12.8086

Details

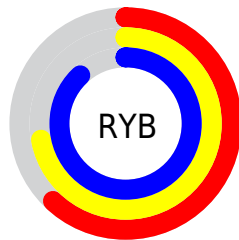
The XYZ color **48.1146, 53.5522, 79.0349** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.3642, 52.7577, 39.6671**, and the grayscale version is **48.6919, 51.2277, 55.7869**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **23.2068, 26.1563, 41.8558** is the 20% darker color. If you saturate the color by 10%, you get **42.1362, 47.5743, 78.1971**, and if you desaturate by 10%, it is **55.0218, 60.1826, 79.9515**.

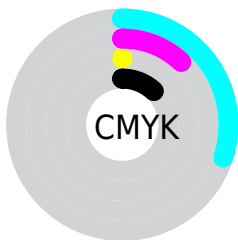
Distribution



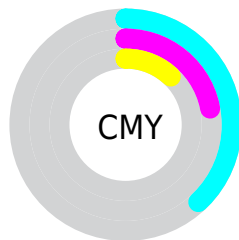
- Red (62%)
- Green (78%)
- Blue (88%)



- Red (62%)
- Yellow (72%)
- Blue (88%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)





- Cyan (38%)
- Magenta (22%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1146, 53.5522, 79.0349 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 48.1146, 53.5522, 79.0349 by changing the saturation by 10% instead.


 48.1146, 53.5522,
79.0349


 48.1146, 53.5522,
79.0349

369.8212,
400.4001, 511.2951

 34.1293, 38.2438,
58.4030


 86.5837, 95.4164,
133.8071

 23.1563, 26.1719,
41.7159


 111.7981,
122.7410, 168.7845

 14.8303, 16.9523,
28.5550


141.4863,
154.8398, 209.3808

 8.7859, 10.2005,
18.5018

176.0137,
192.0971, 256.0146

 4.6578, 5.5321,
11.1377

215.7455,
234.8974, 309.1044

 2.0806, 2.5627,
6.0442

261.0471,

 0.6786, 0.9080,

283.6251, 369.0687

2.8027

312.2839,
338.6645, 436.3261

■ 0.0000, 0.0000,
0.9948

■ 0.0000, 0.0000,
0.0000

■ 48.1146, 53.5522,
79.0349

■ 48.1146, 53.5522,
79.0349

■ 42.1362, 47.5743,
78.1971

■ 55.0218, 60.1826,
79.9515

■ 37.0355, 42.2159,
77.4316

■ 62.8956, 67.4838,
80.9458

■ 32.7637, 37.4501,
76.7369

■ 71.7776, 75.4815,
82.0214

■ 29.2648, 33.2451,
76.1096

■ 81.7055, 84.1975,
83.1805

■ 26.4749, 29.5650,
75.5463

■ 86.7791, 90.5929,
84.1475

■ 24.3188, 26.3676,
75.0428

■ 89.4495, 95.9337,
85.0377

■ 22.6695, 23.5845,
74.5926

■ 90.5908, 98.2163,
85.4181

■ 22.6353, 23.5254,
74.5830

Harmonies

Analogous

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



45.3953, 53.5522, 71.2653



48.1146, 53.5522, 79.0349



51.7050, 53.5522, 80.9645

Triad

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



48.1146, 53.5522, 79.0349



58.2939, 53.5522, 56.0452



46.7907, 53.5522, 43.4237

Complementary

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



48.1146, 53.5522, 79.0349



54.3642, 52.7577, 39.6671

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.



50.1030, 53.5522, 40.3314



48.1146, 53.5522, 79.0349



56.8322, 53.5522, 47.0271

Square

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



48.1146, 53.5522, 79.0349



57.6986, 53.5522, 66.8192



53.7904, 53.5522, 41.5661



44.6571, 53.5522, 50.5544

Rectangle

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



48.1146, 53.5522, 79.0349



54.1341, 53.5522, 78.4953



53.7904, 53.5522, 41.5661



47.7968, 53.5522, 41.9195

Sweetspot

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



48.1163, 53.5543, 79.0361



84.3295, 90.3533, 107.6030



49.6456, 64.5681, 55.0212



17.7014, 19.0210, 22.9884



0.0000, 0.0000, 0.0000



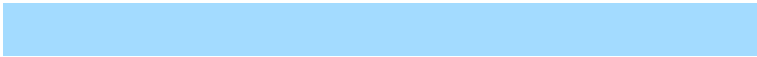
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1163, 53.5543, 79.0361



58.6256, 65.8885, 104.2356



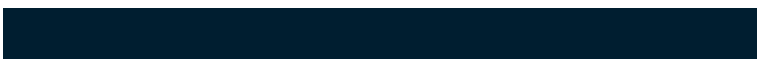
41.2954, 39.9126, 76.7625



13.6467, 14.6326, 17.4928



13.1599, 13.7894, 43.0164



0.9983, 1.1281, 3.0104

Inverse Universe

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



53.5884, 44.5862, 59.8167



67.2088, 52.6599, 73.9015



62.0841, 68.1976, 42.2404



14.0579, 13.8408, 16.0751



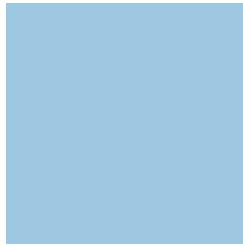
20.5827, 10.3001, 15.0003



1.4702, 0.7313, 1.2687

Previews

White Background



This preview shows how the XYZ color 48.1146, 53.5522, 79.0349 looks on a white background.

Color Contrast Check

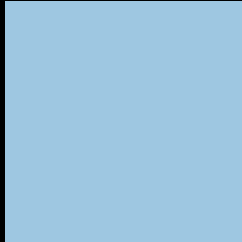
Large Text (above 18pt) WCAG AA × Fail

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 48.1146, 53.5522, 79.0349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

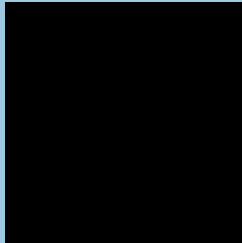
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

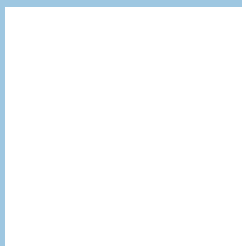
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1146, 53.5522, 79.0349

Background



This preview shows how black text looks on a background with the XYZ color 48.1146, 53.5522, 79.0349.



This preview shows how white text looks on a background with the XYZ color 48.1146, 53.5522,

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

48.1146, 53.5522, 79.0349

Protanopia

52.2881, 53.1203, 75.2075

Deuteranopia

54.3540, 53.1146, 80.0604



Tritanopia

46.7592, 53.3343, 72.7958

Trichromacy



Original Color

48.1146, 53.5522, 79.0349

Protanomaly

50.6081, 53.2046, 76.7094

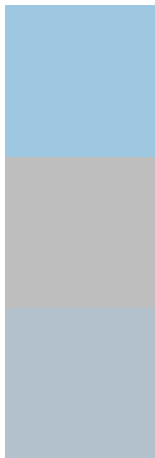
Deuteranomaly

51.8685, 53.1353, 79.4739

Tritanomaly

47.3451, 53.5911, 74.8666

Monochromacy



Original Color

48.1146, 53.5522, 79.0349

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.2096, 51.9167, 63.9799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1146, 53.5522, 79.0349 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(158, 199, 225)` looks like.

```
.text, #text, p{  
    color:rgb(158, 199, 225)  
}
```

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(158, 199, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 199, 225) }
```

Border

The CSS property to change the border of an element to XYZ 48.1146, 53.5522, 79.0349 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(158, 199, 225) }
```


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

```
.border{ border-color:rgb(158, 199, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 199, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 199, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 199, 225);  
box-shadow:4px 4px 4px 4px rgb(158, 199,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1146, 53.5522, 79.0349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 199, 225) }
```

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

```
.background{ background-color: rgb(158,  
199, 225) }
```

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