

Converting Colors

XYZ(49.6900, 67.9889, 89.1013)

Have a look what the booklet for
XYZ(49.6900, 67.9889, 89.1013)
contains.

XYZ(49.7407, 68.0115, 89.1032)	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(49.7407, 68.0115,
89.1032)**

Conversions

Conversions Part 1

Format	Color
Hex	62EBEB
RGB	98, 235, 235
RGB Percent	38%, 92%, 92%
CMY	0.6157, 0.0784, 0.0784
CMYK	0.58, 0.00, 0.00, 0.08
HSL	180°, 77%, 65%
HSV	180°, 58%, 92%
XYZ	49.7407, 68.0115, 89.1032
YIQ	194.0370, -81.6520, -29.0440

Conversions

Conversions Part 2

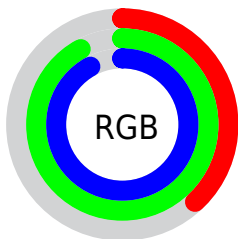
Format	Color
RYB	98, 167, 235
Decimal	6482923
CIELab	86.01, -36.78, -11.19
CIELCh	86, 38.444, 196.920
Yxy	68.0115, 0.2405, 0.3288
Android (android.graphics.Color)	4284673003 (0xFF62EBEB)
YUV	194.0370, 20.1948, -84.2244
Hunter-Lab	82.4691, -36.6598, -6.3311

Details

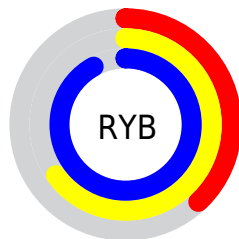
The XYZ color **49.7407, 68.0115, 89.1032** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.8355, 27.2814, 14.6710**, and the grayscale version is **51.2210, 53.8884, 58.6845**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **24.2568, 35.4949, 48.2206** is the 20% darker color. If you saturate the color by 10%, you get **47.5682, 66.8931, 89.0028**, and if you desaturate by 10%, it is **52.6615, 69.5188, 89.2417**.

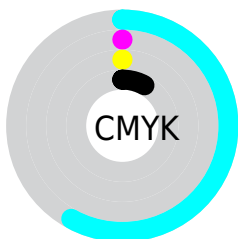
Distribution



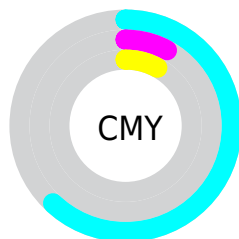
- Red (38%)
- Green (92%)
- Blue (92%)



- Red (38%)
- Yellow (65%)
- Blue (92%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (62%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7407, 68.0115, 89.1032 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 49.7407, 68.0115, 89.1032 by changing the saturation by 10% instead.


 49.7407, 68.0115,
89.1032


 49.7407, 68.0115,
89.1032

376.1198,
453.5368, 545.6039


 35.4244, 49.9071,
66.6676


 88.9847, 116.3686,
148.0167

 24.1580, 35.3396,
48.3546


 114.6431,
147.3901, 185.3316

 15.5762, 23.9246,
33.7458


 144.8128,
183.4860, 228.4434

 9.3137, 15.2777,
22.4226

179.8593,
225.0408, 277.7706

 5.0051, 9.0145,
13.9665

220.1479,
272.4389, 333.7317

 2.2851, 4.7506,
7.9589

266.0439,

 0.7870, 2.1017,

326.0647, 396.7452

3.9812

317.9128,
386.3025, 467.2298

■ 0.0000, 0.6656,
1.6151

■ 0.0000, 0.0000,
0.3015

■ 49.7407, 68.0115,
89.1032

■ 49.7407, 68.0115,
89.1032

■ 47.5682, 66.8931,
89.0028

■ 52.6615, 69.5188,
89.2417

■ 46.0705, 66.1210,
88.9324


■ 56.3835, 71.4375,
89.4161


■ 45.1704, 65.6570,
88.8900


■ 60.9619, 73.7978,
89.6307


■ 44.7550, 65.4428,
88.8703


■ 66.4455, 76.6247,
89.8876


 44.7048, 65.4170,
88.8679

 72.8792, 79.9413,
90.1890

 80.3049, 83.7694,
90.5367

 85.9454, 86.6772,
90.8010

 85.9455, 86.6772,
90.8013

 85.9455, 86.6773,
90.8015

Harmonies

Analogous

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



49.4942, 68.0115, 63.5983



49.7407, 68.0115, 89.1032



53.7400, 68.0115, 115.4834

Triad

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



49.7407, 68.0115, 89.1032



77.8346, 68.0115, 112.4170



68.5565, 68.0115, 36.1099

Complementary

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



49.7407, 68.0115, 89.1032



40.8355, 27.2814, 14.6710

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.



76.9289, 68.0115, 43.9469



49.7407, 68.0115, 89.1032



82.6045, 68.0115, 85.5948

Square

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



49.7407, 68.0115, 89.1032



69.7041, 68.0115, 130.9010



82.2587, 68.0115, 60.8007



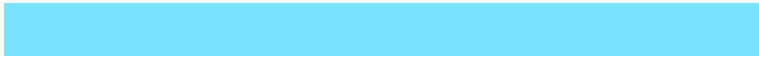
59.8328, 68.0115, 36.6342

Rectangle

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



49.7407, 68.0115, 89.1032



58.2214, 68.0115, 128.3091



82.2587, 68.0115, 60.8007



71.5200, 68.0115, 37.7619

Sweetspot

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



49.7427, 68.0141, 89.1048



80.8605, 92.6850, 108.2354



37.2020, 63.0267, 21.7615



16.9970, 19.6784, 23.1523



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.



49.7427, 68.0141, 89.1048



56.8299, 80.2969, 107.1090



34.1823, 36.8927, 83.9195



15.5177, 17.1219, 19.4092



24.8794, 36.4062, 49.4573



1.9536, 2.8588, 3.8836

Inverse Universe

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



40.8355, 27.2814, 14.6710



45.1811, 27.0269, 9.7649



49.7823, 45.1752, 17.6528



15.0655, 15.0541, 15.6305



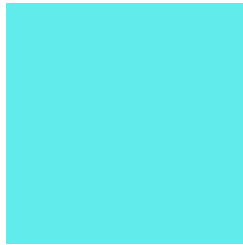
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 49.7407, 68.0115, 89.1032 looks on a white background.

Color Contrast Check

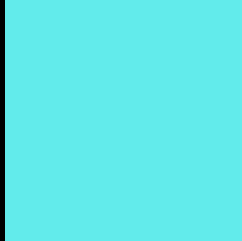
Large Text (above 18pt) WCAG AA × Fail

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 49.7407, 68.0115, 89.1032 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

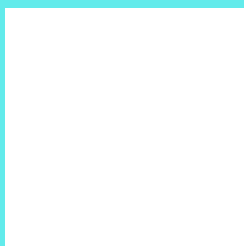
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7407, 68.0115, 89.1032

Background



This preview shows how black text looks on a background with the XYZ color 49.7407, 68.0115, 89.1032.

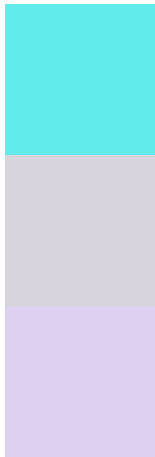


This preview shows how white text looks on a background with the XYZ color 49.7407, 68.0115,

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

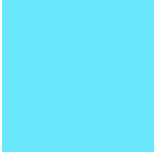
49.7407, 68.0115, 89.1032

Protanopia

64.6190, 66.7545, 77.8857

Deuteranopia

68.5573, 66.9922, 92.5365



Tritanopia

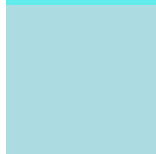
52.0949, 67.6815, 101.5849

Trichromacy



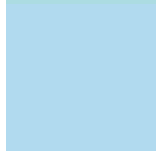
Original Color

49.7407, 68.0115, 89.1032



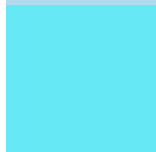
Protanomaly

56.3339, 65.4480, 81.6151



Deuteranomaly

58.7829, 65.7219, 91.2488



Tritanomaly

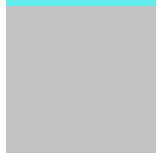
51.0998, 67.6952, 96.7594

Monochromacy



Original Color

49.7407, 68.0115, 89.1032



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.6072, 57.5753, 68.8729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7407, 68.0115, 89.1032 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(98, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(98, 235, 235)  
}
```

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(98, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 235, 235) }
```

Border

The CSS property to change the border of an element to XYZ 49.7407, 68.0115, 89.1032 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(98, 235, 235) }
```


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

```
.border{ border-color:rgb(98, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(98, 235,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7407, 68.0115, 89.1032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 235, 235) }
```

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

```
.background{ background-color: rgb(98, 235,  
235) }
```

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