

Converting Colors

XYZ(51.4461, 64.6346, 90.0000)

Have a look what the booklet for
XYZ(51.4461, 64.6346, 90.0000)
contains.

XYZ(51.4172, 64.7107, 89.9012)	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(51.4172, 64.7107,
89.9012)**

Conversions

Conversions Part 1

Format	Color
Hex	82E1ED
RGB	130, 225, 237
RGB Percent	51%, 88%, 93%
CMY	0.4902, 0.1176, 0.0706
CMYK	0.45, 0.05, 0.00, 0.07
HSL	187°, 75%, 72%
HSV	187°, 45%, 93%
XYZ	51.4172, 64.7107, 89.9012
YIQ	197.9630, -60.4720, -16.4080

Conversions

Conversions Part 2

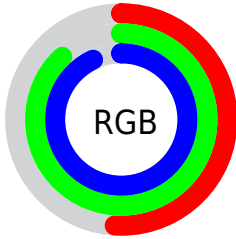
Format	Color
RYB	130, 180, 237
Decimal	8577517
CIELab	84.33, -25.07, -14.64
CIElCh	84, 29.031, 210.279
Yxy	64.7107, 0.2496, 0.3141
Android (android.graphics.Color)	4286767597 (0xFF82E1ED)
YUV	197.9630, 19.2452, -59.6036
Hunter-Lab	80.4430, -26.6823, -9.9511

Details

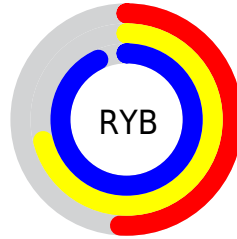
The XYZ color **51.4172, 64.7107, 89.9012** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48.6285, 38.9633, 26.0784**, and the grayscale version is **53.5689, 56.3586, 61.3745**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **25.1270, 33.0517, 48.7714** is the 20% darker color. If you saturate the color by 10%, you get **47.4797, 61.6241, 89.5141**, and if you desaturate by 10%, it is **56.2069, 68.2563, 90.3343**.

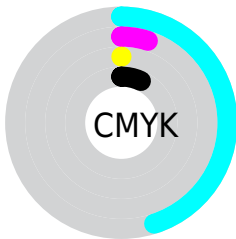
Distribution



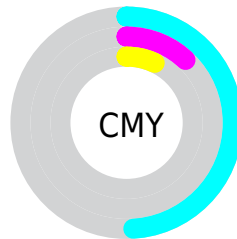
- Red (51%)
- Green (88%)
- Blue (93%)



- Red (51%)
- Yellow (71%)
- Blue (93%)



- Cyan (45%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)





- Cyan (49%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4172, 64.7107, 89.9012 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 51.4172, 64.7107, 89.9012 by changing the saturation by 10% instead.


 51.4172, 64.7107,
89.9012


 51.4172, 64.7107,
89.9012

382.5435,
441.7516, 548.2712


 36.7631, 47.2265,
67.3254


 91.4505, 111.6338,
149.1355

 25.1970, 33.2148,
48.8859


 117.5604,
141.8416, 186.6311

 16.3534, 22.2910,
34.1640


 148.2197,
177.0593, 229.9370

 9.8670, 14.0709,
22.7412

183.7937,
217.6714, 279.4719

 5.3724, 8.1700,
14.1991

224.6477,
264.0623, 335.6542

 2.5044, 4.2039,
8.1189

271.1471,

 0.8975, 1.7883,

316.6164, 398.9025

4.0823

323.6573,
375.7180, 469.6353

■ 0.0000, 0.4798,
1.6706

■ 0.0000, 0.0000,
0.3405

■ 51.4172, 64.7107,
89.9012

■ 51.4172, 64.7107,
89.9012

■ 47.4797, 61.6241,
89.5141

■ 56.2069, 68.2563,
90.3343

■ 44.3303, 58.9587,
89.1656

■ 61.8958, 72.2805,
90.8112

■ 41.9052, 56.6832,
88.8542

■ 68.5342, 76.8111,
91.3358

■ 40.1276, 54.7579,
88.5763

■ 76.1671, 81.8711,
91.9102

■ 38.9037, 53.1343,
88.3274

■ 84.8366, 87.4824,
92.5363

■ 38.4383, 52.4185,
88.2138

■ 87.9665, 90.2549,
92.9065

■ 88.7587, 91.8393,
93.1706

■ 89.5624, 93.4468,
93.4385

■ 90.3777, 95.0774,
93.7103

Harmonies

Analogous

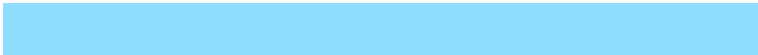
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9323, 64.7107, 70.6320



51.4172, 64.7107, 89.9012



55.5669, 64.7107, 105.9737

Triad

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



51.4172, 64.7107, 89.9012



72.9017, 64.7107, 89.5494



61.4452, 64.7107, 40.6061

Complementary

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



51.4172, 64.7107, 89.9012



48.6285, 38.9633, 26.0784

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.



67.8530, 64.7107, 43.9239



51.4172, 64.7107, 89.9012



74.7417, 64.7107, 70.2862

Square

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



51.4172, 64.7107, 89.9012



67.9647, 64.7107, 105.7470



72.8341, 64.7107, 54.0436



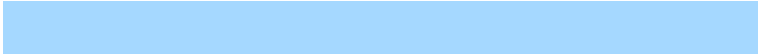
55.4693, 64.7107, 44.0502

Rectangle

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



51.4172, 64.7107, 89.9012



59.4378, 64.7107, 111.5251



72.8341, 64.7107, 54.0436



63.6208, 64.7107, 40.9596

Sweetspot

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



51.4192, 64.7132, 89.9027



81.8500, 91.3191, 107.9201



44.2770, 67.2297, 35.7271



17.1289, 19.2837, 23.0693



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.



51.4192, 64.7132, 89.9027



56.4571, 73.0839, 105.7387



39.3988, 40.6725, 85.8959



15.3651, 16.8166, 19.3583



21.0466, 28.7402, 48.1811



1.6938, 2.3390, 3.7971

Inverse Universe

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



56.4999, 39.4078, 75.8655



63.2991, 40.3177, 86.5413



58.2921, 58.2905, 29.2996



15.6378, 15.2830, 18.6440



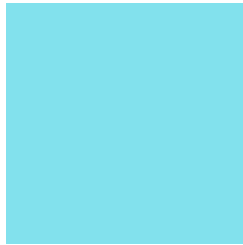
25.4787, 12.3942, 34.6516



2.0214, 0.9815, 2.8303

Previews

White Background



This preview shows how the XYZ color 51.4172, 64.7107, 89.9012 looks on a white background.

Color Contrast Check

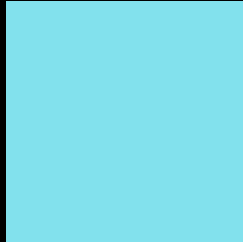
Large Text (above 18pt) WCAG AA × Fail

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 51.4172, 64.7107, 89.9012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

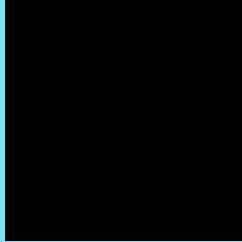
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4172, 64.7107, 89.9012

Background



This preview shows how black text looks on a background with the XYZ color 51.4172, 64.7107, 89.9012.

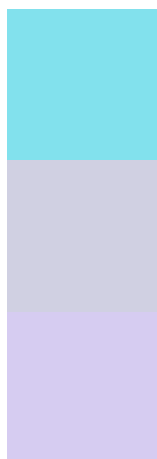


This preview shows how white text looks on a background with the XYZ color 51.4172, 64.7107,

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

51.4172, 64.7107, 89.9012

Protanopia

62.2958, 64.0126, 81.0238

Deuteranopia

65.2016, 63.8327, 92.1035



Tritanopia

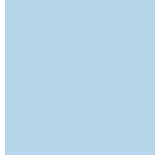
52.1984, 64.6276, 93.7276

Trichromacy



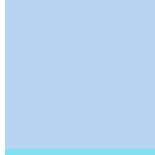
Original Color

51.4172, 64.7107, 89.9012



Protanomaly

57.1519, 63.5096, 84.1093



Deuteranomaly

58.8001, 63.4455, 91.5852



Tritanomaly

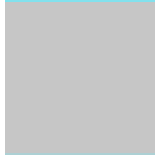
51.7439, 64.4279, 92.1467

Monochromacy



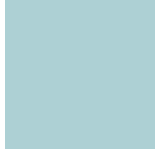
Original Color

51.4172, 64.7107, 89.9012



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.6731, 58.7495, 70.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4172, 64.7107, 89.9012 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(130, 225, 237)` looks like.

```
.text, #text, p{  
    color:rgb(130, 225, 237)  
}
```

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(130, 225, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 225, 237) }
```

Border

The CSS property to change the border of an element to XYZ 51.4172, 64.7107, 89.9012 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(130, 225, 237) }
```


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

```
.border{ border-color:rgb(130, 225, 237) }
```

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

Here you see how a box with a 4 pixel rgb(130, 225, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 225, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 225, 237);  
box-shadow:4px 4px 4px 4px rgb(130, 225,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4172, 64.7107, 89.9012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 225, 237) }
```

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

```
.background{ background-color: rgb(130,  
225, 237) }
```

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