

Converting Colors

XYZ(49.8543, 67.2860, 86.2597)

Have a look what the booklet for
XYZ(49.8543, 67.2860, 86.2597)
contains.

XYZ(49.7471, 67.2355, 85.9571)	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(49.7471, 67.2355,
85.9571)**

Conversions

Conversions Part 1

Format	Color
Hex	6CE9E7
RGB	108, 233, 231
RGB Percent	42%, 91%, 91%
CMY	0.5764, 0.0863, 0.0941
CMYK	0.54, 0.00, 0.01, 0.09
HSL	179°, 74%, 67%
HSV	179°, 54%, 91%
XYZ	49.7471, 67.2355, 85.9571
YIQ	195.3970, -73.8580, -27.1220

Conversions

Conversions Part 2

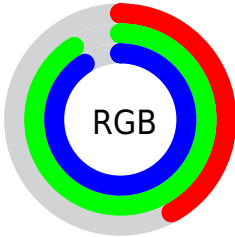
Format	Color
RYB	108, 171, 233
Decimal	7137767
CIELab	85.62, -35.08, -9.63
CIELCh	86, 36.382, 195.352
Yxy	67.2355, 0.2451, 0.3313
Android (android.graphics.Color)	4285327847 (0xFF6CE9E7)
YUV	195.3970, 17.5523, -76.6472
Hunter-Lab	81.9973, -35.2006, -4.7552

Details

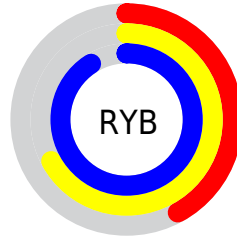
The XYZ color **49.7471, 67.2355, 85.9571** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **41.7836, 29.1767, 18.1837**, and the grayscale version is **52.0406, 54.7507, 59.6235**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **24.2517, 34.9362, 46.5395** is the 20% darker color. If you saturate the color by 10%, you get **47.2310, 65.9460, 85.5659**, and if you desaturate by 10%, it is **53.0244, 68.9205, 86.3875**.

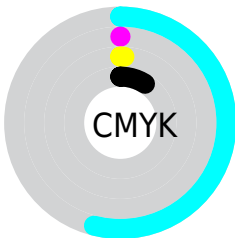
Distribution



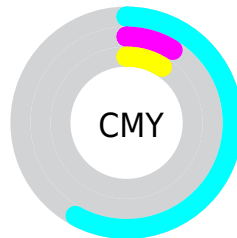
- Red (42%)
- Green (91%)
- Blue (91%)



- Red (42%)
- Yellow (67%)
- Blue (91%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)





- Cyan (58%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7471, 67.2355, 85.9571 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 49.7471, 67.2355, 85.9571 by changing the saturation by 10% instead.


 49.7471, 67.2355,
85.9571


 49.7471, 67.2355,
85.9571


376.1445,
450.7826, 535.0167


 35.4295, 49.2760,
64.0778


 88.9941, 115.2578,
143.5956

 24.1619, 34.8385,
46.2671


 114.6542,
146.0894, 180.1920

 15.5792, 23.5385,
32.1065


 144.8259,
181.9805, 222.5310

 9.3158, 14.9916,
21.1773

179.8744,
223.3156, 271.0314

 5.0065, 8.8135,
13.0612

220.1651,
270.4789, 326.1116

 2.2859, 4.6197,
7.3395

266.0635,

 0.7874, 2.0259,

323.8549, 388.1902

3.5936

317.9348,
383.8280, 457.6857

■ 0.0000, 0.6225,
1.4052

■ 0.0000, 0.0000,
0.1458

■ 49.7471, 67.2355,
85.9571

■ 49.7471, 67.2355,
85.9571

■ 47.2310, 65.9460,
85.5659

■ 53.0244, 68.9205,
86.3875

■ 45.4083, 65.0125,
85.2063


■ 57.1119, 71.0216,
86.8548


■ 44.2095, 64.4005,
84.8765


■ 62.0615, 73.5670,
87.3631


■ 43.5478, 64.0655,
84.5724


■ 67.9191, 76.5806,
87.9145


 43.3208, 63.9523,
84.3885

 74.7272, 80.0842,
88.5109

 82.5259, 84.0984,
89.1543

 85.1758, 85.4583,
89.5574

 85.2294, 85.4797,
89.8395

 85.2831, 85.5012,
90.1222

Harmonies

Analogous

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



49.7043, 67.2355, 62.2706



49.7471, 67.2355, 85.9571



53.3556, 67.2355, 110.6806

Triad

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



49.7471, 67.2355, 85.9571



75.9164, 67.2355, 110.1600



68.0173, 67.2355, 37.3570

Complementary

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



49.7471, 67.2355, 85.9571



41.7836, 29.1767, 18.1837

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.



75.7614, 67.2355, 45.3209



49.7471, 67.2355, 85.9571



80.5823, 67.2355, 85.3566

Square

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



49.7471, 67.2355, 85.9571



68.2143, 67.2355, 126.5776



80.5233, 67.2355, 61.7863



59.7817, 67.2355, 37.4496

Rectangle

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



49.7471, 67.2355, 85.9571



57.4919, 67.2355, 122.9707



80.5233, 67.2355, 61.7863



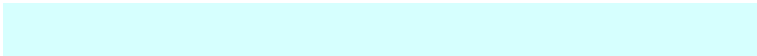
70.7788, 67.2355, 39.0899

Sweetspot

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



49.7491, 67.2381, 85.9587



81.4949, 93.0242, 107.7173



38.2886, 62.6835, 24.2702



17.1173, 19.7433, 23.0256



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.



49.7491, 67.2381, 85.9587



57.7856, 80.8378, 104.9741



35.7584, 38.8014, 82.6983



15.5067, 17.1175, 19.3509



24.5850, 36.2885, 47.9071



1.9339, 2.8509, 3.7795

Inverse Universe

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



41.7836, 29.1767, 18.1837



47.0889, 29.6953, 13.9373



50.3932, 46.5683, 20.5217



15.0753, 15.0580, 15.6817



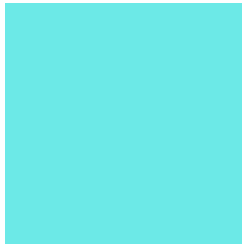
19.0837, 9.8362, 0.9760



1.5020, 0.7738, 0.0948

Previews

White Background



This preview shows how the XYZ color 49.7471, 67.2355, 85.9571 looks on a white background.

Color Contrast Check

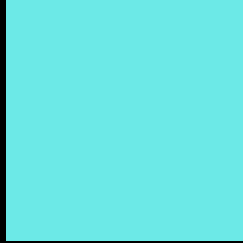
Large Text (above 18pt) WCAG AA × Fail

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 49.7471, 67.2355, 85.9571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

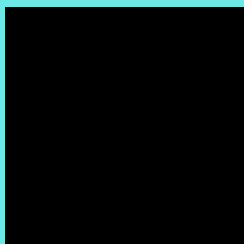
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

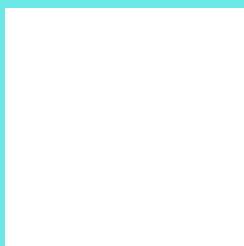
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7471, 67.2355, 85.9571

Background



This preview shows how black text looks on a background with the XYZ color 49.7471, 67.2355, 85.9571.

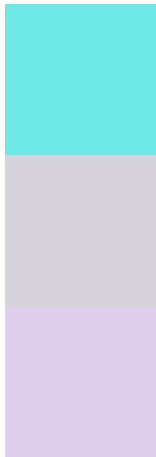


This preview shows how white text looks on a background with the XYZ color 49.7471, 67.2355,

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

49.7471, 67.2355, 85.9571

Protanopia

63.9735, 66.0976, 75.7160

Deuteranopia

67.7231, 66.2697, 89.3427



Tritanopia

52.4659, 67.0780, 99.8046

Trichromacy



Original Color

49.7471, 67.2355, 85.9571



Protanomaly

56.5553, 65.2209, 79.4201



Deuteranomaly

58.6073, 64.9336, 88.0418



Tritanomaly

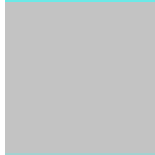
51.2850, 67.0074, 94.2351

Monochromacy



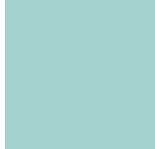
Original Color

49.7471, 67.2355, 85.9571



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2899, 57.9415, 68.2605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7471, 67.2355, 85.9571 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(108, 233, 231)` looks like.

```
.text, #text, p{  
    color:rgb(108, 233, 231)  
}
```

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(108, 233, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 233, 231) }
```

Border

The CSS property to change the border of an element to XYZ 49.7471, 67.2355, 85.9571 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(108, 233, 231) }
```


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

```
.border{ border-color:rgb(108, 233, 231) }
```

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

Here you see how a box with a 4 pixel rgb(108, 233, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(108, 233,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7471, 67.2355, 85.9571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 233, 231) }
```

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

```
.background{ background-color: rgb(108,  
233, 231) }
```

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