

Converting Colors

XYZ(48.8002, 68.4116, 90.8682)

Have a look what the booklet for
XYZ(48.8002, 68.4116, 90.8682)
contains.

XYZ(48.7121, 68.3025, 90.7371)	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(48.7121, 68.3025,
90.7371)**

Conversions

Conversions Part 1

Format	Color
Hex	4EEDED
RGB	78, 237, 237
RGB Percent	31%, 93%, 93%
CMY	0.6941, 0.0706, 0.0706
CMYK	0.67, 0.00, 0.00, 0.07
HSL	180°, 82%, 62%
HSV	180°, 67%, 93%
XYZ	48.7121, 68.3025, 90.7371
YIQ	189.4590, -94.7640, -33.7080

Conversions

Conversions Part 2

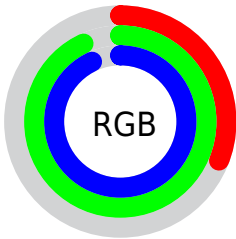
Format	Color
RYB	78, 158, 237
Decimal	5172717
CIELab	86.16, -40.20, -12.07
CIELCh	86, 41.977, 196.717
Yxy	68.3025, 0.2345, 0.3288
Android (android.graphics.Color)	4283362797 (0xFF4EED)
YUV	189.4590, 23.4377, -97.7495
Hunter-Lab	82.6453, -39.4194, -7.2433

Details

The XYZ color **48.7121, 68.3025, 90.7371** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **39.0268, 24.0054, 9.7863**, and the grayscale version is **48.5437, 51.0718, 55.6172**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **24.6617, 35.9787, 49.3608** is the 20% darker color. If you saturate the color by 10%, you get **47.1094, 67.4778, 90.6634**, and if you desaturate by 10%, it is **51.0182, 69.4928, 90.8468**.

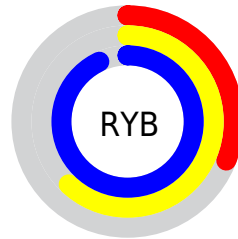
Distribution



Red (31%)

Green (93%)

Blue (93%)



Red (31%)

Yellow (62%)

Blue (93%)

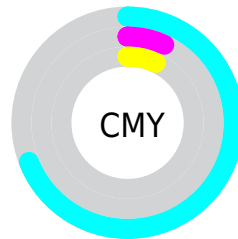


Cyan (67%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (69%)

Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7121, 68.3025, 90.7371 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 48.7121, 68.3025, 90.7371 by changing the saturation by 10% instead.

48.7121, 68.3025,
90.7371

48.7121, 68.3025,
90.7371

372.1436,
454.5670, 551.0576

34.6047, 50.1439,
68.0150

87.4670, 116.7848,
150.3063

23.5237, 35.5277,
49.4432

112.8453,
147.8772, 187.9905

15.1035, 24.0697,
34.6031

142.7112,
184.0497, 231.4991

8.9788, 15.3853,
23.0762

177.4302,
225.6867, 281.2506

4.7844, 9.0903,
14.4439

217.3676,
273.1725, 337.6637

2.1548, 4.8001,
8.2878

262.8887,

0.7187, 2.1305,

326.8916, 401.1569

4.1893

314.3589,
387.2283, 472.1487

■ 0.0000, 0.6817,
1.7297

■ 0.0000, 0.0000,
0.3810

■ 48.7121, 68.3025,
90.7371

■ 48.7121, 68.3025,
90.7371

■ 47.1094, 67.4778,
90.6634

■ 51.0182, 69.4928,
90.8468

■ 46.1248, 66.9702,
90.6171


■ 54.0890, 71.0759,
90.9907

■ 45.6579, 66.7295,
90.5950


■ 57.9862, 73.0850,
91.1733


■ 45.5714, 66.6849,
90.5909


■ 62.7634, 75.5477,
91.3971

 68.4698, 78.4895,
91.6644

 75.1509, 81.9337,
91.9773

 82.8494, 85.9024,
92.3378

 86.8119, 87.9451,
92.5235

 86.8119, 87.9452,
92.5237

Harmonies

Analogous

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



48.4747, 68.3025, 62.8099



48.7121, 68.3025, 90.7371



53.0044, 68.3025, 120.1818

Triad

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



48.7121, 68.3025, 90.7371



79.3949, 68.3025, 117.1053



69.2793, 68.3025, 33.6954

Complementary

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



48.7121, 68.3025, 90.7371



39.0268, 24.0054, 9.7863

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.



78.4984, 68.3025, 41.9890



48.7121, 68.3025, 90.7371



84.7172, 68.3025, 87.2676

Square

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



48.7121, 68.3025, 90.7371



70.4078, 68.3025, 137.8023



84.3737, 68.3025, 60.0995



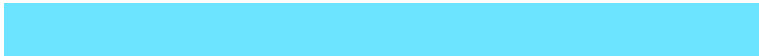
59.7241, 68.3025, 34.1844

Rectangle

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



48.7121, 68.3025, 90.7371



57.8539, 68.3025, 134.6841



84.3737, 68.3025, 60.0995



72.5381, 68.3025, 35.4399

Sweetspot

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



48.7142, 68.3051, 90.7387



78.7117, 91.5773, 108.1349



35.0249, 62.8550, 17.4956



16.4366, 19.3895, 23.1261



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.



48.7142, 68.3051, 90.7387



55.0498, 79.3792, 107.0259



31.0271, 32.9305, 84.8445



15.5177, 17.1219, 19.4092



24.8794, 36.4062, 49.4576



1.9536, 2.8588, 3.8836

Inverse Universe

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



39.0268, 24.0054, 9.7863



42.8583, 23.6281, 5.1473



47.9992, 41.9502, 12.7768



15.0655, 15.0541, 15.6304



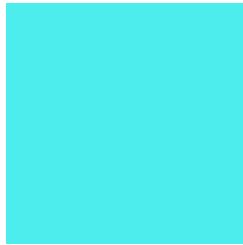
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 48.7121, 68.3025, 90.7371 looks on a white background.

Color Contrast Check

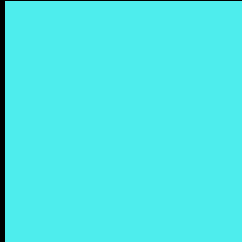
Large Text (above 18pt) WCAG AA × Fail

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 48.7121, 68.3025, 90.7371 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

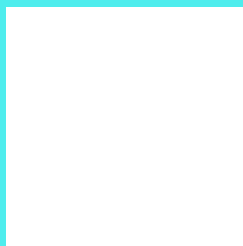
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7121, 68.3025, 90.7371

Background



This preview shows how black text looks on a background with the XYZ color 48.7121, 68.3025, 90.7371.

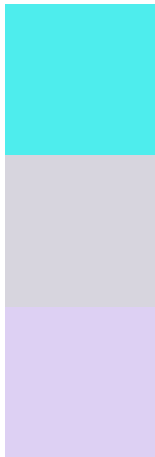


This preview shows how white text looks on a background with the XYZ color 48.7121, 68.3025,

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

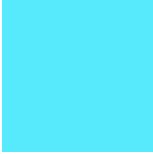
48.7121, 68.3025, 90.7371

Protanopia

65.0034, 67.3095, 78.6732

Deuteranopia

68.5523, 66.9550, 94.1045



Tritanopia

51.0829, 67.9637, 103.3545

Trichromacy



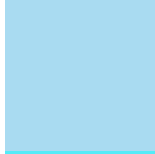
Original Color

48.7121, 68.3025, 90.7371



Protanomaly

55.5035, 65.7879, 82.4460



Deuteranomaly

57.5709, 65.4489, 92.8177



Tritanomaly

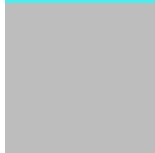
50.1530, 68.0169, 98.4809

Monochromacy



Original Color

48.7121, 68.3025, 90.7371



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.6063, 54.9884, 66.6026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7121, 68.3025, 90.7371 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(78, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(78, 237, 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(78, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 237, 237) }
```

Border

The CSS property to change the border of an element to XYZ 48.7121, 68.3025, 90.7371 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(78, 237, 237) }
```


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

```
.border{ border-color:rgb(78, 237, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(78, 237,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7121, 68.3025, 90.7371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 237, 237) }
```

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

```
.background{ background-color: rgb(78, 237,  
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