

Converting Colors

XYZ(49.3252, 70.1585, 59.9705)

Have a look what the booklet for
XYZ(49.3252, 70.1585, 59.9705)
contains.

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Color

**XYZ(49.3237, 70.1617,
60.2331)**

Conversions

Conversions Part 1

Format	Color
Hex	81EFBF
RGB	129, 239, 191
RGB Percent	51%, 94%, 75%
CMY	0.4941, 0.0627, 0.2510
CMYK	0.46, 0.00, 0.20, 0.06
HSL	154°, 77%, 72%
HSV	154°, 46%, 94%
XYZ	49.3237, 70.1617, 60.2331
YIQ	200.6380, -50.1520, -38.2480

Conversions

Conversions Part 2

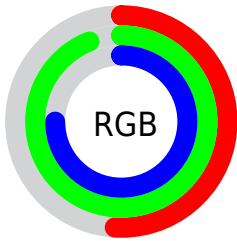
Format	Color
RYB	129, 199, 239
Decimal	8515519
CIELab	87.08, -42.49, 13.54
CIELCh	87, 44.598, 162.330
Yxy	70.1617, 0.2744, 0.3904
Android (android.graphics.Color)	4286705599 (0xFF81EFBF)
YUV	200.6380, -4.7515, -62.8265
Hunter-Lab	83.7626, -41.4746, 15.9988

Details

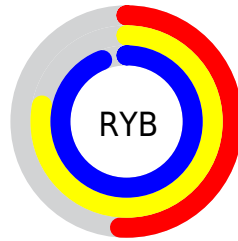
The XYZ color **49.3237, 70.1617, 60.2331** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.3850, 37.2272, 46.0749**, and the grayscale version is **55.3455, 58.2278, 63.4101**.

A 20% lighter version of the original color is **73.0420, 88.8002, 101.2861**, and **23.8412, 36.5930, 29.8513** is the 20% darker color. If you saturate the color by 10%, you get **45.0021, 68.0636, 54.2521**, and if you desaturate by 10%, it is **54.5798, 72.7358, 66.6876**.

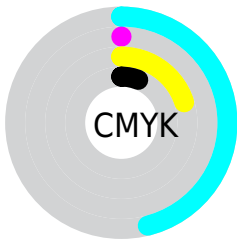
Distribution



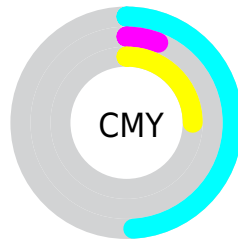
- Red (51%)
- Green (94%)
- Blue (75%)



- Red (51%)
- Yellow (78%)
- Blue (94%)



- Cyan (46%)
- Magenta (0%)
- Yellow (20%)
- Black (6%)





- Cyan (49%)
- Magenta (6%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3237, 70.1617, 60.2331 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 49.3237, 70.1617, 60.2331 by changing the saturation by 10% instead.

 49.3237, 70.1617,
60.2331


 49.3237, 70.1617,
60.2331


374.5111,
461.1176, 443.2849


 35.0919, 51.6584,
43.1800


 88.3699, 119.4393,
106.7144

 23.9005, 36.7328,
29.6939


 113.9150,
150.9824, 136.9797

 15.3842, 25.0007,
19.3563


 143.9619,
187.6409, 172.4862

 9.1775, 16.0776,
11.7486

178.8760,
229.7991, 213.6524

 4.9152, 9.5791,
6.4523

219.0226,
277.8415, 260.8968

 2.2318, 5.1208,
3.0488

264.7671,

 0.7594, 2.3183,

332.1524, 314.6380

1.1196

316.4748,
393.1163, 375.2945

■ 0.0000, 0.7834,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3237, 70.1617,
60.2331

■ 49.3237, 70.1617,
60.2331

■ 45.0021, 68.0636,
54.2521

■ 54.5798, 72.7358,
66.6876

■ 41.5476, 66.4015,
48.7280


■ 60.8207, 75.8060,
73.6220


■ 38.8924, 65.1423,
43.6501


■ 68.0995, 79.4016,
81.0486


■ 36.9553, 64.2445,
39.0052


■ 76.4640, 83.5468,
88.9777

 35.6362, 63.6566,
34.7788

 85.9587, 88.2645,
97.4192

 35.2204, 63.4766,
33.2099

 89.9299, 90.1244,
106.0694

 90.1578, 90.2155,
107.2693

Harmonies

Analogous

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



54.0568, 70.1617, 41.2761



49.3237, 70.1617, 60.2331



48.9288, 70.1617, 89.3460

Triad

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



49.3237, 70.1617, 60.2331



71.0677, 70.1617, 147.4817



82.6617, 70.1617, 43.8406

Complementary

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



49.3237, 70.1617, 60.2331



51.3850, 37.2272, 46.0749

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.



88.2923, 70.1617, 64.7587



49.3237, 70.1617, 60.2331



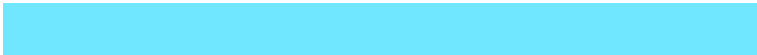
81.1447, 70.1617, 127.2884

Square

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



49.3237, 70.1617, 60.2331



60.7749, 70.1617, 145.3422



87.7097, 70.1617, 95.2147



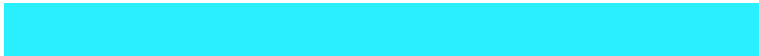
72.9697, 70.1617, 33.6529

Rectangle

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



49.3237, 70.1617, 60.2331



51.1162, 70.1617, 111.4652



87.7097, 70.1617, 95.2147



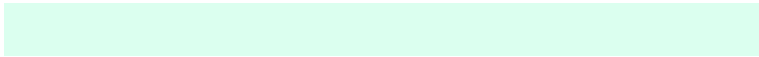
85.1355, 70.1617, 49.5792

Sweetspot

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



49.3256, 70.1645, 60.2347



80.7061, 92.8836, 95.6627



53.3062, 72.8452, 32.0208



16.8497, 19.6707, 20.0612



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.



49.3256, 70.1645, 60.2347



52.5123, 79.0339, 63.4074



53.9162, 69.4633, 92.2308



15.9391, 17.8056, 18.7020



19.5299, 35.1040, 18.7053



1.6746, 2.9403, 1.8188

Inverse Universe

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



51.3850, 37.2272, 46.0749



55.1740, 36.5972, 45.2054



48.1554, 37.1260, 25.3978



16.0593, 15.8734, 17.8683



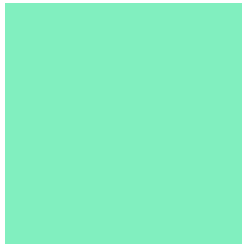
21.1238, 10.7220, 8.5687



1.8064, 0.9116, 0.9714

Previews

White Background



This preview shows how the XYZ color 49.3237, 70.1617, 60.2331 looks on a white background.

Color Contrast Check

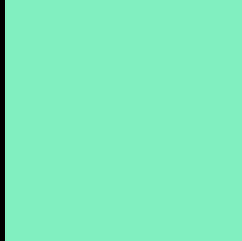
Large Text (above 18pt) WCAG AA × Fail

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 49.3237, 70.1617, 60.2331 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 49.3237, 70.1617, 60.2331

Background



This preview shows how black text looks on a background with the XYZ color 49.3237, 70.1617, 60.2331.



This preview shows how white text looks on a background with the XYZ color 49.3237, 70.1617,

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

49.3237, 70.1617, 60.2331

Protanopia

65.1072, 69.0650, 53.0794

Deuteranopia

70.5347, 69.0446, 62.4327



Tritanopia

57.3328, 69.9832, 100.9288

Trichromacy



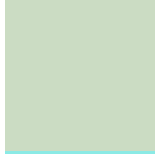
Original Color

49.3237, 70.1617, 60.2331



Protanomaly

57.2997, 68.1095, 55.4738



Deuteranomaly

60.0721, 67.8230, 61.5548



Tritanomaly

54.2131, 69.9917, 84.7812

Monochromacy



Original Color

49.3237, 70.1617, 60.2331



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.0577, 61.7461, 61.9978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3237, 70.1617, 60.2331 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(129, 239, 191)` looks like.

```
.text, #text, p{  
    color:rgb(129, 239, 191)  
}
```

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(129, 239, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 239, 191) }
```

Border

The CSS property to change the border of an element to XYZ 49.3237, 70.1617, 60.2331 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(129, 239, 191) }
```


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

```
.border{ border-color:rgb(129, 239, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 239, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 239, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 239, 191);  
box-shadow:4px 4px 4px 4px rgb(129, 239,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3237, 70.1617, 60.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 239, 191) }
```

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

```
.background{ background-color: rgb(129,  
239, 191) }
```

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](#).

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