

Converting Colors

XYZ(49.4057, 68.6090, 93.0770)

Have a look what the booklet for
XYZ(49.4057, 68.6090, 93.0770)
contains.

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Color

**XYZ(49.4057, 68.6090,
93.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	51EDF0
RGB	81, 237, 240
RGB Percent	32%, 93%, 94%
CMY	0.6823, 0.0706, 0.0588
CMYK	0.66, 0.01, 0.00, 0.06
HSL	181°, 84%, 63%
HSV	181°, 66%, 94%
XYZ	49.4057, 68.6090, 93.0770
YIQ	190.6980, -93.9390, -32.1390

Conversions

Conversions Part 2

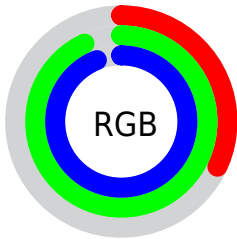
Format	Color
R_{YB}	81, 160, 240
Decimal	5369328
CIE _{Lab}	86.31, -38.97, -13.42
CIE _{LCh}	86, 41.214, 198.996
Yxy	68.6090, 0.2340, 0.3250
Android (android.graphics.Color)	4283559408 (0xFF51EDF0)
YUV	190.6980, 24.3059, -96.2051
Hunter-Lab	82.8305, -38.4841, -8.6430

Details

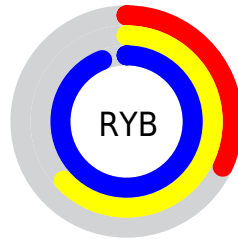
The XYZ color **49.4057, 68.6090, 93.0770** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **40.5922, 25.4615, 10.5615**, and the grayscale version is **49.2515, 51.8165, 56.4281**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **25.1756, 36.5084, 51.0673** is the 20% darker color. If you saturate the color by 10%, you get **47.5706, 67.4702, 92.9552**, and if you desaturate by 10%, it is **51.9716, 70.1281, 93.2362**.

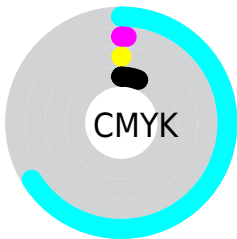
Distribution



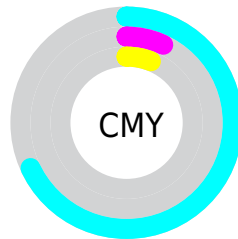
- Red (32%)
- Green (93%)
- Blue (94%)



- Red (32%)
- Yellow (63%)
- Blue (94%)



- Cyan (66%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (68%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4057, 68.6090, 93.0770 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 49.4057, 68.6090, 93.0770 by changing the saturation by 10% instead.

49.4057, 68.6090,
93.0770

49.4057, 68.6090,
93.0770

374.8278,
455.6507, 558.8165

35.1573, 50.3933,
69.9475

88.4908, 117.2229,
153.5778

23.9511, 35.7260,
51.0072

114.0582,
148.3900, 191.7862

15.4219, 24.2227,
35.8376

144.1293,
184.6430, 235.8580

9.2043, 15.4989,
24.0201

179.0695,
226.3663, 286.2117

4.9328, 9.1703,
15.1362

219.2440,
273.9444, 343.2659

2.2423, 4.8524,
8.7673

265.0184,

0.7649, 2.1609,

327.7615, 407.4390

4.4950

316.7579,
388.2022, 479.1497

■ 0.0000, 0.6986,
1.9006

■ 0.0000, 0.0000,
0.4931

■ 49.4057, 68.6090,
93.0770

■ 49.4057, 68.6090,
93.0770

■ 47.5706, 67.4702,
92.9552

■ 51.9716, 70.1281,
93.2362

■ 46.3797, 66.6625,
92.8620


■ 55.3311, 72.0552,
93.4311


■ 45.7348, 66.1368,
92.7945


■ 59.5469, 74.4243,
93.6662


■ 45.5733, 65.9810,
92.7730


■ 64.6741, 77.2637,
93.9440

 70.7630, 80.5994,
94.2670

 77.8603, 84.4554,
94.6372

 86.0096, 88.8542,
95.0567

 88.3125, 90.2396,
95.2028

 88.4464, 90.5073,
95.2474

Harmonies

Analogous

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



48.8596, 68.6090, 65.1480



49.4057, 68.6090, 93.0770



53.9354, 68.6090, 121.5971

Triad

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



49.4057, 68.6090, 93.0770



80.0048, 68.6090, 114.5949



68.7633, 68.6090, 34.1910

Complementary

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



49.4057, 68.6090, 93.0770



40.5922, 25.4615, 10.5615

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.



77.9574, 68.6090, 41.7454



49.4057, 68.6090, 93.0770



84.8550, 68.6090, 85.1506

Square

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



49.4057, 68.6090, 93.0770



71.3451, 68.6090, 135.9580



84.0713, 68.6090, 58.9226



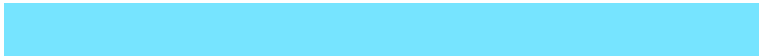
59.4386, 68.6090, 35.3252

Rectangle

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



49.4057, 68.6090, 93.0770



58.8745, 68.6090, 135.0248



84.0713, 68.6090, 58.9226



71.9861, 68.6090, 35.7074

Sweetspot

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



49.4078, 68.6116, 93.0786



78.4058, 90.9653, 108.0334



36.1416, 64.7056, 18.9022



16.3620, 19.2401, 23.1013



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.



49.4078, 68.6116, 93.0786



54.1074, 77.1122, 106.6401



31.3248, 32.4455, 87.0510



16.2203, 17.8748, 20.3169



24.9590, 36.1422, 50.7885



2.0845, 3.0229, 4.2278

Inverse Universe

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



54.1654, 30.5264, 83.1609



59.9827, 30.8344, 94.2236



50.5461, 45.3693, 13.8795



16.4407, 16.0260, 19.8767



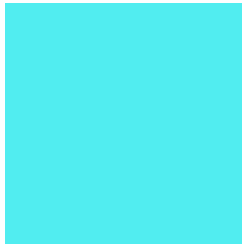
27.9238, 13.4419, 44.3766



2.3271, 1.1199, 3.7132

Previews

White Background



This preview shows how the XYZ color 49.4057, 68.6090, 93.0770 looks on a white background.

Color Contrast Check

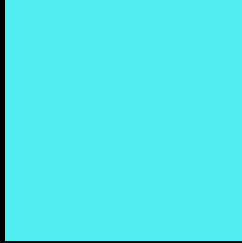
Large Text (above 18pt) WCAG AA × Fail

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 49.4057, 68.6090, 93.0770 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 49.4057, 68.6090, 93.0770

Background



This preview shows how black text looks on a background with the XYZ color 49.4057, 68.6090, 93.0770.

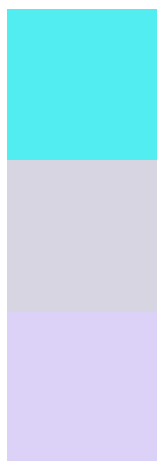


This preview shows how white text looks on a background with the XYZ color 49.4057, 68.6090,

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

49.4057, 68.6090, 93.0770

Protanopia

65.4092, 67.4718, 80.8101

Deuteranopia

68.9502, 67.4704, 96.5778



Tritanopia

51.6222, 68.6471, 104.2954

Trichromacy



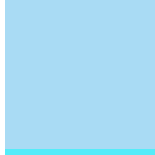
Original Color

49.4057, 68.6090, 93.0770



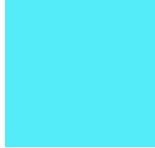
Protanomaly

56.1301, 66.0627, 84.6559



Deuteranomaly

58.0228, 65.6297, 95.1976



Tritanomaly

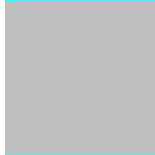
50.8406, 68.7618, 100.2153

Monochromacy



Original Color

49.4057, 68.6090, 93.0770



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.8270, 56.2945, 68.7195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4057, 68.6090, 93.0770 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(81, 237, 240)` looks like.

```
.text, #text, p{  
    color:rgb(81, 237, 240)  
}
```

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(81, 237, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 237, 240) }
```

Border

The CSS property to change the border of an element to XYZ 49.4057, 68.6090, 93.0770 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(81, 237, 240) }
```


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

```
.border{ border-color:rgb(81, 237, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 237, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 237, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 237, 240);  
box-shadow:4px 4px 4px 4px rgb(81, 237,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4057, 68.6090, 93.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 237, 240) }
```

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

```
.background{ background-color: rgb(81, 237,  
240) }
```

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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