

Converting Colors

XYZ(49.4543, 69.8686, 76.5251)

Have a look what the booklet for
XYZ(49.4543, 69.8686, 76.5251)
contains.

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Color

**XYZ(49.4543, 69.8686,
76.5251)**

Conversions

Conversions Part 1

Format	Color
Hex	6BEFD9
RGB	107, 239, 217
RGB Percent	42%, 94%, 85%
CMY	0.5804, 0.0627, 0.1490
CMYK	0.55, 0.00, 0.09, 0.06
HSL	170°, 80%, 68%
HSV	170°, 55%, 94%
XYZ	49.4543, 69.8686, 76.5251
YIQ	197.0240, -71.6100, -34.8260

Conversions

Conversions Part 2

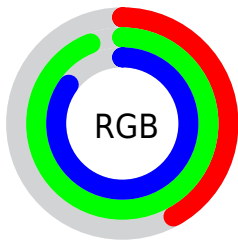
Format	Color
RYB	107, 179, 239
Decimal	7073753
CIELab	86.93, -41.52, -0.35
CIELCh	87, 41.522, 180.482
Yxy	69.8686, 0.2525, 0.3567
Android (android.graphics.Color)	4285263833 (0xFF6BEFD9)
YUV	197.0240, 9.8482, -78.9510
Hunter-Lab	83.5874, -40.6689, 4.2306

Details

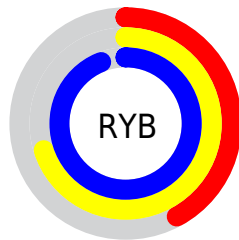
The XYZ color **49.4543, 69.8686, 76.5251** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **44.8191, 30.4530, 24.2872**, and the grayscale version is **53.0606, 55.8239, 60.7923**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **23.8767, 36.3879, 39.9475** is the 20% darker color. If you saturate the color by 10%, you get **46.4567, 68.3841, 73.7136**, and if you desaturate by 10%, it is **53.2623, 71.7728, 79.4429**.

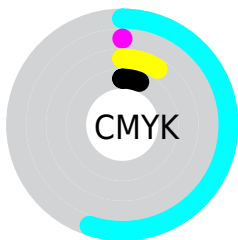
Distribution



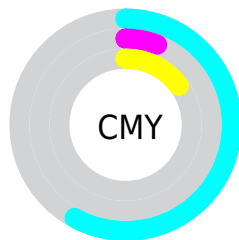
- Red (42%)
- Green (94%)
- Blue (85%)



- Red (42%)
- Yellow (70%)
- Blue (94%)



- Cyan (55%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)




- Cyan (58%)
- Magenta (6%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4543, 69.8686, 76.5251 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 49.4543, 69.8686, 76.5251 by changing the saturation by 10% instead.


 49.4543, 69.8686,
76.5251


 49.4543, 69.8686,
76.5251


375.0154,
460.0885, 502.5379


 35.1960, 51.4194,
56.3540


 88.5625, 119.0214,
130.2358

 23.9811, 36.5425,
40.0809

 114.1431,
150.4937, 164.6124

 15.4443, 24.8535,
27.2873


 144.2285,
187.0759, 204.5612

 9.2201, 15.9679,
17.5548

179.1841,
229.1524, 250.5009

 4.9433, 9.5015,
10.4647

219.3753,
277.1075, 302.8498

 2.2484, 5.0697,
5.5985

265.1673,

 0.7681, 2.2882,

331.3256, 362.0266

2.5377

316.9256,
392.1911, 428.4498

■ 0.0000, 0.7675,
0.8601

■ 0.0000, 0.0000,
0.0000

■ 49.4543, 69.8686,
76.5251

■ 49.4543, 69.8686,
76.5251

■ 46.4567, 68.3841,
73.7136

■ 53.2623, 71.7728,
79.4429

■ 44.1963, 67.2766,
71.0000


■ 57.9344, 74.1193,
82.4653


■ 42.5967, 66.5082,
68.3817


■ 63.5266, 76.9386,
85.5970

■ 41.5615, 66.0295,
65.8537


■ 70.0883, 80.2563,
88.8407


 41.1957, 65.8666,
64.6760

 77.6655, 84.0960,
92.1990

 86.3012, 88.4799,
95.6743

 88.5721, 89.5812,
98.9198

 89.1867, 89.8270,
102.1560

 89.8144, 90.0781,
105.4617

Harmonies

Analogous

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



51.4688, 69.8686, 52.6826



49.4543, 69.8686, 76.5251



51.6013, 69.8686, 106.5035

Triad

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



49.4543, 69.8686, 76.5251



76.3220, 69.8686, 131.9940



76.0243, 69.8686, 38.4272

Complementary

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



49.4543, 69.8686, 76.5251



44.8191, 30.4530, 24.2872

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.



83.8065, 69.8686, 52.0760



49.4543, 69.8686, 76.5251



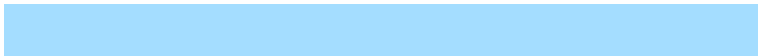
83.9898, 69.8686, 105.5329

Square

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



49.4543, 69.8686, 76.5251



66.5650, 69.8686, 142.9367



86.8513, 69.8686, 75.6267



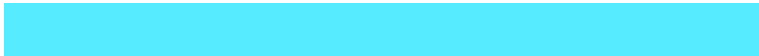
66.2513, 69.8686, 34.1979

Rectangle

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



49.4543, 69.8686, 76.5251



55.2365, 69.8686, 125.1487



86.8513, 69.8686, 75.6267



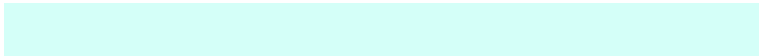
78.9926, 69.8686, 41.8705

Sweetspot

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



49.4563, 69.8713, 76.5267



79.7188, 92.2284, 102.2236



42.9136, 67.6387, 24.7051



16.7244, 19.5693, 21.7167



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.



49.4563, 69.8713, 76.5267



53.5203, 79.0749, 85.0768



41.6573, 49.3837, 89.0009



16.1276, 17.8811, 19.6949



22.8070, 36.4148, 35.9622



1.9271, 3.0413, 3.1483

Inverse Universe

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



44.8191, 30.4530, 24.2872



47.7043, 29.2600, 19.2787



48.9686, 40.8462, 19.2145



15.8803, 15.8018, 16.9258



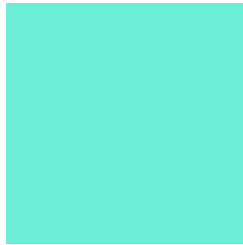
19.9136, 10.2379, 2.1956



1.6877, 0.8641, 0.3464

Previews

White Background



This preview shows how the XYZ color 49.4543, 69.8686, 76.5251 looks on a white background.

Color Contrast Check

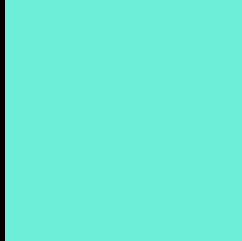
Large Text (above 18pt) WCAG AA × Fail

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 49.4543, 69.8686, 76.5251 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

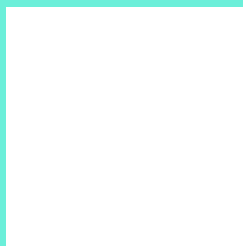
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4543, 69.8686, 76.5251

Background



This preview shows how black text looks on a background with the XYZ color 49.4543, 69.8686, 76.5251.

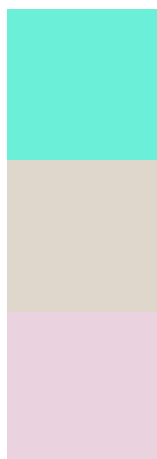


This preview shows how white text looks on a background with the XYZ color 49.4543, 69.8686,

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

49.4543, 69.8686, 76.5251

Protanopia

65.6309, 68.6485, 66.9181

Deuteranopia

70.2976, 68.9133, 79.4086



Tritanopia

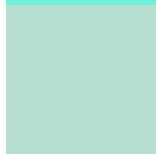
54.8982, 69.9306, 103.5330

Trichromacy



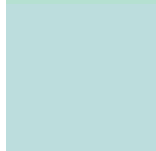
Original Color

49.4543, 69.8686, 76.5251



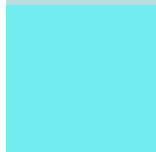
Protanomaly

57.2203, 67.7385, 70.3806



Deuteranomaly

59.6466, 67.6247, 78.3158



Tritanomaly

52.7939, 69.9270, 93.1528

Monochromacy



Original Color

49.4543, 69.8686, 76.5251



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.7524, 59.3391, 65.9581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4543, 69.8686, 76.5251 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(107, 239, 217)` looks like.

```
.text, #text, p{  
    color:rgb(107, 239, 217)  
}
```

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(107, 239, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 239, 217) }
```

Border

The CSS property to change the border of an element to XYZ 49.4543, 69.8686, 76.5251 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(107, 239, 217) }
```


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

```
.border{ border-color:rgb(107, 239, 217) }
```

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

Here you see how a box with a 4 pixel rgb(107, 239, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 239, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 239, 217);  
box-shadow:4px 4px 4px 4px rgb(107, 239,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4543, 69.8686, 76.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 239, 217) }
```

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

```
.background{ background-color: rgb(107,  
239, 217) }
```

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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