

Converting Colors

XYZ(49.4754, 66.6802, 86.6421)

Have a look what the booklet for
XYZ(49.4754, 66.6802, 86.6421)
contains.

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Color

**XYZ(49.4855, 66.6652,
86.6034)**

Conversions

Conversions Part 1

Format	Color
Hex	6BE8E8
RGB	107, 232, 232
RGB Percent	42%, 91%, 91%
CMY	0.5804, 0.0902, 0.0902
CMYK	0.54, 0.00, 0.00, 0.09
HSL	180°, 73%, 66%
HSV	180°, 54%, 91%
XYZ	49.4855, 66.6652, 86.6034
YIQ	194.6250, -74.5000, -26.5000

Conversions

Conversions Part 2

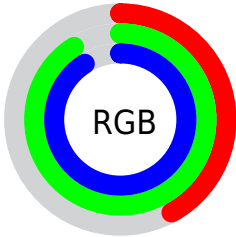
Format	Color
RYB	107, 170, 232
Decimal	7071976
CIELab	85.33, -34.55, -10.59
CIELCh	85, 36.136, 197.042
Yxy	66.6652, 0.2441, 0.3288
Android (android.graphics.Color)	4285262056 (0xFF6BE8E8)
YUV	194.6250, 18.4259, -76.8471
Hunter-Lab	81.6488, -34.7004, -5.7337

Details

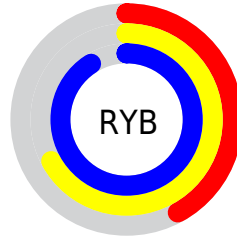
The XYZ color **49.4855, 66.6652, 86.6034** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **41.1925, 28.7348, 17.2875**, and the grayscale version is **51.5763, 54.2623, 59.0916**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **23.9890, 34.5086, 46.4708** is the 20% darker color. If you saturate the color by 10%, you get **47.0621, 65.4174, 86.4912**, and if you desaturate by 10%, it is **52.6610, 68.3038, 86.7538**.

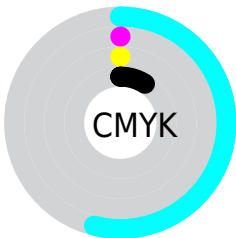
Distribution



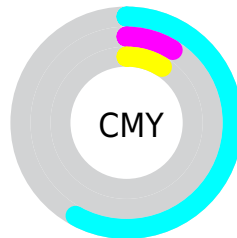
- Red (42%)
- Green (91%)
- Blue (91%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4855, 66.6652, 86.6034 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 49.4855, 66.6652, 86.6034 by changing the saturation by 10% instead.


 49.4855, 66.6652,
86.6034


 49.4855, 66.6652,
86.6034

375.1358,
448.7521, 537.2011


 35.2209, 48.8126,
64.6093


 88.6085, 114.4405,
144.5052

 24.0004, 34.4708,
46.6950


 114.1976,
145.1321, 181.2500

 15.4586, 23.2555,
32.4420


 144.2922,
180.8720, 223.7487

 9.2303, 14.7823,
21.4317

179.2577,
222.0448, 272.4200

 4.9500, 8.6668,
13.2456

219.4595,
269.0348, 327.6824

 2.2524, 4.5245,
7.4652

265.2629,

 0.7702, 1.9711,

322.2265, 389.9543

3.6719

317.0332,
382.0041, 459.6543

■ 0.0000, 0.5906,
1.4471

■ 0.0000, 0.0000,
0.1781

■ 49.4855, 66.6652,
86.6034

■ 49.4855, 66.6652,
86.6034

■ 47.0621, 65.4174,
86.4912

■ 52.6610, 68.3038,
86.7538

■ 45.3235, 64.5212,
86.4095

■ 56.6373, 70.3536,
86.9402

■ 44.2007, 63.9424,
86.3567

■ 61.4656, 72.8427,
87.1664

■ 43.6074, 63.6365,
86.3286

■ 67.1916, 75.7946,
87.4347

43.4231, 63.5415,
86.3198

73.8575, 79.2309,
87.7469

81.5028, 83.1722,
88.1050

84.6638, 84.8017,
88.2533

84.6638, 84.8018,
88.2536

84.6639, 84.8018,
88.2539

Harmonies

Analogous

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



49.2399, 66.6652, 62.9492



49.4855, 66.6652, 86.6034



53.2393, 66.6652, 110.7904

Triad

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



49.4855, 66.6652, 86.6034



75.5836, 66.6652, 107.8082



66.9554, 66.6652, 36.9475

Complementary

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



49.4855, 66.6652, 86.6034



41.1925, 28.7348, 17.2875

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.



74.6956, 66.6652, 44.3626



49.4855, 66.6652, 86.6034



79.9580, 66.6652, 83.1617

Square

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



49.4855, 66.6652, 86.6034



68.0850, 66.6652, 124.7246



79.6196, 66.6652, 60.1710



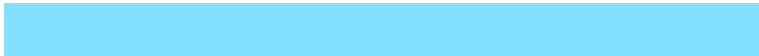
58.8651, 66.6652, 37.4798

Rectangle

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



49.4855, 66.6652, 86.6034



57.4251, 66.6652, 122.4581



79.6196, 66.6652, 60.1710



69.6974, 66.6652, 38.5122

Sweetspot

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



49.4875, 66.6678, 86.6050



81.5999, 93.0662, 108.2700



37.8295, 62.0338, 23.8915



17.1426, 19.7534, 23.1591



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.



49.4875, 66.6678, 86.6050



57.9534, 80.8761, 107.1615



35.3044, 38.3011, 81.8788



14.8075, 16.3364, 18.5171



24.1059, 35.2745, 47.9197



1.7813, 2.6067, 3.5411

Inverse Universe

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



41.1925, 28.7348, 17.2875



46.6470, 29.1720, 12.6791



49.8302, 46.0103, 20.1661



14.3771, 14.3680, 14.9201



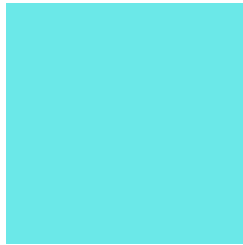
18.4751, 9.5242, 0.8647



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 49.4855, 66.6652, 86.6034 looks on a white background.

Color Contrast Check

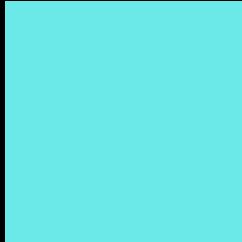
Large Text (above 18pt) WCAG AA × Fail

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 49.4855, 66.6652, 86.6034 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 49.4855, 66.6652, 86.6034

Background



This preview shows how black text looks on a background with the XYZ color 49.4855, 66.6652, 86.6034.

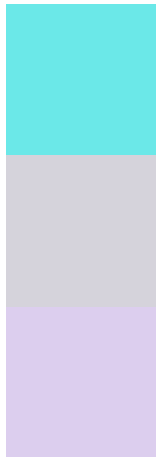


This preview shows how white text looks on a background with the XYZ color 49.4855, 66.6652,

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

49.4855, 66.6652, 86.6034

Protanopia

63.5210, 65.8491, 76.3801

Deuteranopia

67.0191, 65.5313, 90.0054



Tritanopia

52.0501, 66.8817, 98.9731

Trichromacy



Original Color

49.4855, 66.6652, 86.6034



Protanomaly

56.2416, 65.0435, 80.1114



Deuteranomaly

58.0312, 64.2407, 88.6980



Tritanomaly

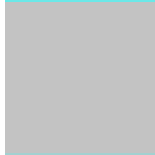
51.1585, 66.9421, 94.2292

Monochromacy



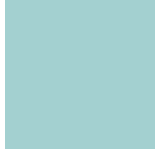
Original Color

49.4855, 66.6652, 86.6034



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.0453, 57.4523, 68.1790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4855, 66.6652, 86.6034 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, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(107, 232, 232)  
}
```

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, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 232, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.4855, 66.6652, 86.6034 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, 232, 232) }
```


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

```
.border{ border-color:rgb(107, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(107, 232,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4855, 66.6652, 86.6034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 232, 232) }
```

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

```
.background{ background-color: rgb(107,  
232, 232) }
```

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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