

Converting Colors

XYZ(48.3672, 66.0775, 86.1582)

Have a look what the booklet for
XYZ(48.3672, 66.0775, 86.1582)
contains.

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Color

**XYZ(48.3174, 66.0794,
85.8093)**

Conversions

Conversions Part 1

Format	Color
Hex	62E8E7
RGB	98, 232, 231
RGB Percent	38%, 91%, 91%
CMY	0.6157, 0.0902, 0.0941
CMYK	0.58, 0.00, 0.00, 0.09
HSL	180°, 74%, 65%
HSV	180°, 58%, 91%
XYZ	48.3174, 66.0794, 85.8093
YIQ	191.8200, -79.5430, -28.7190

Conversions

Conversions Part 2

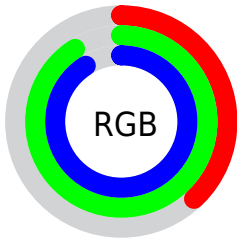
Format	Color
RYB	98, 165, 232
Decimal	6482151
CIELab	85.04, -36.46, -10.54
CIELCh	85, 37.948, 196.119
Yxy	66.0794, 0.2413, 0.3301
Android (android.graphics.Color)	4284672231 (0xFF62E8E7)
YUV	191.8200, 19.3157, -82.2801
Hunter-Lab	81.2892, -36.1578, -5.6843

Details

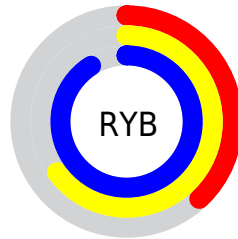
The XYZ color **48.3174, 66.0794, 85.8093** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **39.9007, 26.7940, 14.8753**, and the grayscale version is **49.9241, 52.5240, 57.1986**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **23.3618, 34.1853, 46.4414** is the 20% darker color. If you saturate the color by 10%, you get **46.1437, 64.9631, 85.5812**, and if you desaturate by 10%, it is **51.2204, 67.5746, 86.0746**.

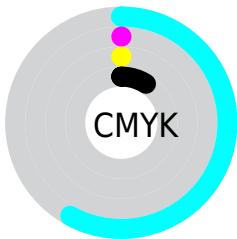
Distribution



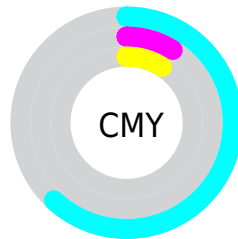
- Red (38%)
- Green (91%)
- Blue (91%)



- Red (38%)
- Yellow (65%)
- Blue (91%)



- Cyan (58%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (62%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3174, 66.0794, 85.8093 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 48.3174, 66.0794, 85.8093 by changing the saturation by 10% instead.

48.3174, 66.0794,
85.8093

48.3174, 66.0794,
85.8093

370.6105,
446.6608, 534.5165

34.2906, 48.3369,
63.9563

86.8836, 113.6003,
143.3875

23.2809, 34.0937,
46.1693

112.1538,
144.1474, 179.9498

14.9229, 22.9656,
32.0298

141.9024,
179.7315, 222.2523

8.8512, 14.5681,
21.1193

176.4949,
220.7371, 270.7135

4.7006, 8.5168,
13.0191

216.2966,
267.5483, 325.7520

2.1056, 4.4274,
7.3108

261.6729,

0.6923, 1.9154,

320.5498, 387.7863

3.5759

312.9891,
380.1258, 457.2349

■ 0.0000, 0.5576,
1.3957

■ 0.0000, 0.0000,
0.1383

■ 48.3174, 66.0794,
85.8093

■ 48.3174, 66.0794,
85.8093

■ 46.1437, 64.9631,
85.5812

■ 51.2204, 67.5746,
86.0746

■ 44.6287, 64.1849,
85.3825


■ 54.9036, 69.4706,
86.3751


■ 43.6983, 63.7082,
85.2114


■ 59.4204, 71.7962,
86.7147


■ 43.2490, 63.4793,
85.0629

■ 64.8175, 74.5757,
87.0957


 43.1783, 63.4436,
85.0310

 71.1385, 77.8314,
87.5200

 78.4240, 81.5844,
87.9896

 84.6938, 84.8138,
88.4118

 84.7185, 84.8236,
88.5418

 84.7433, 84.8335,
88.6720

Harmonies

Analogous

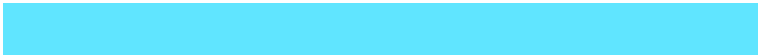
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1781, 66.0794, 61.2483



48.3174, 66.0794, 85.8093



52.0997, 66.0794, 111.4405

Triad

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



48.3174, 66.0794, 85.8093



75.3992, 66.0794, 109.7106



66.8281, 66.0794, 35.2751

Complementary

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



48.3174, 66.0794, 85.8093



39.9007, 26.7940, 14.8753

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.



74.8880, 66.0794, 43.1008



48.3174, 66.0794, 85.8093



80.1314, 66.0794, 83.8291

Square

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



48.3174, 66.0794, 85.8093



67.4759, 66.0794, 127.2334



79.9362, 66.0794, 59.6683



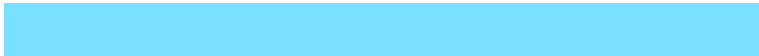
58.3576, 66.0794, 35.5716

Rectangle

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



48.3174, 66.0794, 85.8093



56.3916, 66.0794, 124.0766



79.9362, 66.0794, 59.6683



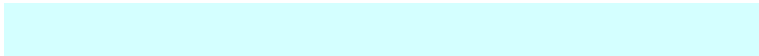
69.6903, 66.0794, 36.9500

Sweetspot

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



48.3194, 66.0819, 85.8109



80.8084, 92.6642, 107.9613



36.3447, 61.3203, 21.4773



16.9846, 19.6734, 23.0867



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.



48.3194, 66.0819, 85.8109



56.8275, 80.3199, 106.0092



33.4661, 36.1483, 81.5601



14.8026, 16.3345, 18.4912



23.9724, 35.2210, 47.2162



1.7730, 2.6033, 3.4971

Inverse Universe

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



39.9007, 26.7940, 14.8753



45.5011, 27.4438, 10.5595



48.5415, 44.1518, 17.5206



14.3814, 14.3697, 14.9428



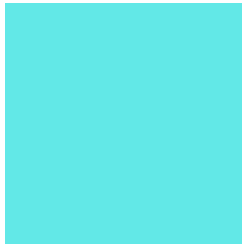
18.4824, 9.5272, 0.9031



1.3673, 0.7046, 0.0749

Previews

White Background



This preview shows how the XYZ color 48.3174, 66.0794, 85.8093 looks on a white background.

Color Contrast Check

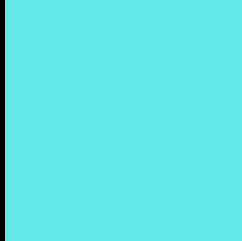
Large Text (above 18pt) WCAG AA × Fail

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 48.3174, 66.0794, 85.8093 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 48.3174, 66.0794, 85.8093

Background



This preview shows how black text looks on a background with the XYZ color 48.3174, 66.0794, 85.8093.

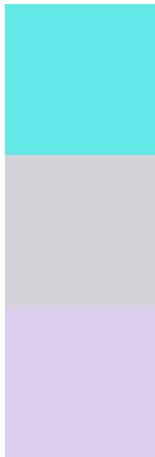


This preview shows how white text looks on a background with the XYZ color 48.3174, 66.0794,

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

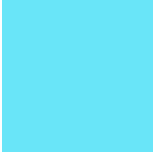
48.3174, 66.0794, 85.8093

Protanopia

63.0116, 65.2491, 74.9189

Deuteranopia

66.3308, 64.8371, 89.1396



Tritanopia

50.7883, 65.8192, 98.8345

Trichromacy



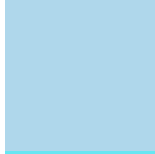
Original Color

48.3174, 66.0794, 85.8093



Protanomaly

55.0508, 64.0747, 78.5734



Deuteranomaly

56.9750, 63.7130, 87.8922



Tritanomaly

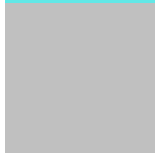
49.8033, 65.8292, 94.0858

Monochromacy



Original Color

48.3174, 66.0794, 85.8093



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.5540, 56.3510, 66.7630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3174, 66.0794, 85.8093 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(98, 232, 231)` looks like.

```
.text, #text, p{  
    color:rgb(98, 232, 231)  
}
```

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(98, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 232, 231) }
```

Border

The CSS property to change the border of an element to XYZ 48.3174, 66.0794, 85.8093 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(98, 232, 231) }
```


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

```
.border{ border-color:rgb(98, 232, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 232, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(98, 232,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3174, 66.0794, 85.8093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 232, 231) }
```

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

```
.background{ background-color: rgb(98, 232,  
231) }
```

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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