

Converting Colors

XYZ(51.1721, 64.0718, 74.7655)

Have a look what the booklet for
XYZ(51.1721, 64.0718, 74.7655)
contains.

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Color

**XYZ(51.1768, 64.1228,
74.6454)**

Conversions

Conversions Part 1

Format	Color
Hex	95DFD8
RGB	149, 223, 216
RGB Percent	58%, 87%, 85%
CMY	0.4157, 0.1255, 0.1529
CMYK	0.33, 0.00, 0.03, 0.13
HSL	174°, 54%, 73%
HSV	174°, 33%, 87%
XYZ	51.1768, 64.1228, 74.6454
YIQ	200.0760, -41.8570, -17.8650

Conversions

Conversions Part 2

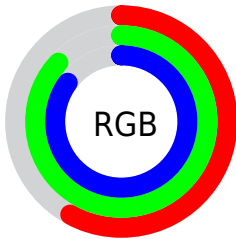
Format	Color
RYB	149, 188, 223
Decimal	9822168
CIELab	84.03, -24.39, -3.89
CIELCh	84, 24.701, 189.052
Yxy	64.1228, 0.2694, 0.3376
Android (android.graphics.Color)	4288012248 (0xFF95DFD8)
YUV	200.0760, 7.8505, -44.7937
Hunter-Lab	80.0767, -26.0554, 0.7851

Details

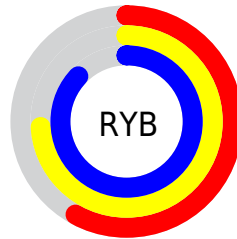
The XYZ color **51.1768, 64.1228, 74.6454** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1819, 39.5850, 36.6089**, and the grayscale version is **54.9197, 57.7798, 62.9222**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **25.0517, 32.9582, 38.7594** is the 20% darker color. If you saturate the color by 10%, you get **47.2207, 62.1163, 73.0465**, and if you desaturate by 10%, it is **55.9191, 66.5374, 76.3022**.

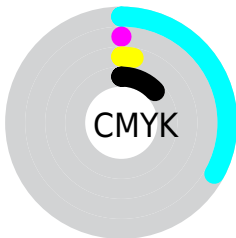
Distribution



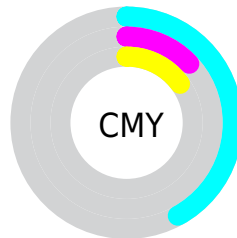
- Red (58%)
- Green (87%)
- Blue (85%)



- Red (58%)
- Yellow (74%)
- Blue (87%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)





- Cyan (42%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1768, 64.1228, 74.6454 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 51.1768, 64.1228, 74.6454 by changing the saturation by 10% instead.


 51.1768, 64.1228,
74.6454


 51.1768, 64.1228,
74.6454


381.6267,
439.6330, 495.9207

 36.5709, 46.7501,
54.8225


 91.0975, 110.7878,
127.5528

 25.0476, 32.8382,
38.8620


 117.1430,
140.8489, 161.4743

 16.2415, 22.0025,
26.3453


147.7325,
175.9082, 200.9324

 9.7871, 13.8587,
16.8541

183.2313,
216.3503, 246.3456

 5.3192, 8.0225,
9.9697

224.0048,
262.5594, 298.1325

 2.4724, 4.1093,
5.2735

270.4183,

 0.8814, 1.7349,

314.9199, 356.7116

2.3471

322.8371,
373.8163, 422.5015

■ 0.0000, 0.4461,
0.7574

■ 0.0000, 0.0000,
0.0000

■ 51.1768, 64.1228,
74.6454

■ 51.1768, 64.1228,
74.6454

■ 47.2207, 62.1163,
73.0465

■ 55.9191, 66.5374,
76.3022

■ 44.0006, 60.4872,
71.4988

■ 61.4831, 69.3736,
78.0144

■ 41.4692, 59.2127,
70.0016

■ 67.9089, 72.6537,
79.7854

■ 39.5715, 58.2645,
68.5521

■ 75.2321, 76.3960,
81.6168

■ 38.2437, 57.6098,
67.1472

■ 81.4322, 79.5589,
83.4143

■ 37.4092, 57.2089,
65.7835

■ 81.7246, 79.6759,
84.9539

■ 37.0378, 57.0372,
64.8734

■ 82.0206, 79.7943,
86.5124

■ 82.3201, 79.9141,
88.0898

■ 82.6233, 80.0354,
89.6861

Harmonies

Analogous

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



51.6786, 64.1228, 59.6333



51.1768, 64.1228, 74.6454



53.1689, 64.1228, 90.4751

Triad

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



51.1768, 64.1228, 74.6454



67.7871, 64.1228, 95.8022



64.7690, 64.1228, 45.3833

Complementary

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



51.1768, 64.1228, 74.6454



47.1819, 39.5850, 36.6089

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.



69.4484, 64.1228, 52.5732



51.1768, 64.1228, 74.6454



71.2618, 64.1228, 81.1027

Square

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



51.1768, 64.1228, 74.6454



62.6096, 64.1228, 103.8314



71.8872, 64.1228, 65.2049



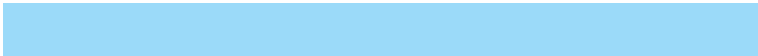
59.3137, 64.1228, 44.1864

Rectangle

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



51.1768, 64.1228, 74.6454



55.7172, 64.1228, 98.8360



71.8872, 64.1228, 65.2049



66.4938, 64.1228, 47.1219

Sweetspot

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



51.1787, 64.1254, 74.6469



85.8968, 95.3259, 106.4564



45.6023, 62.0558, 38.0096



18.1309, 20.2738, 22.7140



0.0000, 0.0000, 0.0000



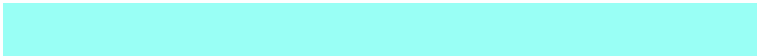
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.1787, 64.1254, 74.6469



65.4315, 84.9062, 99.6049



44.8742, 50.0365, 77.1078



14.0577, 15.5488, 17.3392



21.7996, 33.5447, 38.2635



1.5275, 2.3317, 2.7392

Inverse Universe

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



47.1819, 39.5850, 36.6089



59.2109, 46.6744, 40.3754



51.8985, 49.9402, 35.3392



13.7597, 13.7215, 14.5045



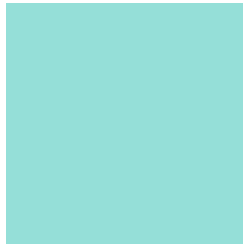
17.9916, 9.2637, 1.3559



1.2654, 0.6494, 0.1903

Previews

White Background



This preview shows how the XYZ color 51.1768, 64.1228, 74.6454 looks on a white background.

Color Contrast Check

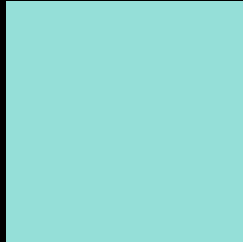
Large Text (above 18pt) WCAG AA × Fail

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 51.1768, 64.1228, 74.6454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

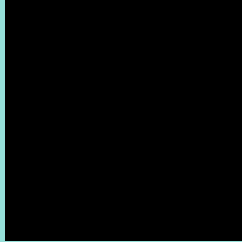
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

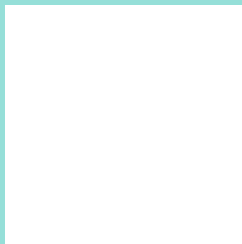
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1768, 64.1228, 74.6454

Background



This preview shows how black text looks on a background with the XYZ color 51.1768, 64.1228, 74.6454.



This preview shows how white text looks on a background with the XYZ color 51.1768, 64.1228,

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

51.1768, 64.1228, 74.6454

Protanopia

61.2589, 63.7629, 68.1103

Deuteranopia

65.0147, 63.7265, 76.5839



Tritanopia

54.2057, 64.1708, 89.6500

Trichromacy



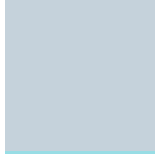
Original Color

51.1768, 64.1228, 74.6454



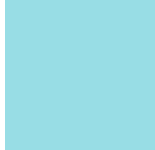
Protanomaly

56.6623, 63.1888, 70.1830



Deuteranomaly

58.8587, 63.0780, 76.0909



Tritanomaly

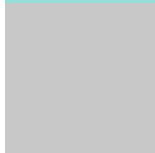
52.9482, 64.0454, 83.7001

Monochromacy



Original Color

51.1768, 64.1228, 74.6454



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.7525, 59.3917, 67.0759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1768, 64.1228, 74.6454 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(149, 223, 216)` looks like.

```
.text, #text, p{  
    color:rgb(149, 223, 216)  
}
```

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(149, 223, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 223, 216) }
```

Border

The CSS property to change the border of an element to XYZ 51.1768, 64.1228, 74.6454 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(149, 223, 216) }
```


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

```
.border{ border-color:rgb(149, 223, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 223, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 223, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 223, 216); box-shadow:4px 4px 4px 4px rgb(149, 223, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1768, 64.1228, 74.6454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 223, 216) }
```

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

```
.background{ background-color: rgb(149,  
223, 216) }
```

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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