

Converting Colors

XYZ(51.9033, 64.6397, 98.6937)

Have a look what the booklet for
XYZ(51.9033, 64.6397, 98.6937)
contains.

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Color

**XYZ(51.8945, 64.7653,
98.5728)**

Conversions

Conversions Part 1

Format	Color
Hex	7AE1F8
RGB	122, 225, 248
RGB Percent	48%, 88%, 97%
CMY	0.5215, 0.1176, 0.0274
CMYK	0.51, 0.09, 0.00, 0.03
HSL	191°, 90%, 73%
HSV	191°, 51%, 97%
XYZ	51.8945, 64.7653, 98.5728
YIQ	196.8250, -68.7710, -14.6830

Conversions

Conversions Part 2

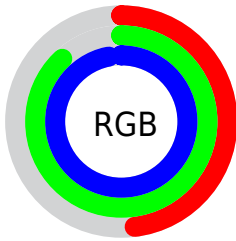
Format	Color
R_{YB}	122, 179, 248
Decimal	8053240
CIE _{Lab}	84.36, -23.94, -20.44
CIE _{LCh}	84, 31.474, 220.493
Yxy	64.7653, 0.2411, 0.3009
Android (android.graphics.Color)	4286243320 (0xFF7AE1F8)
YUV	196.8250, 25.2293, -65.6215
Hunter-Lab	80.4769, -25.7311, -16.2880

Details

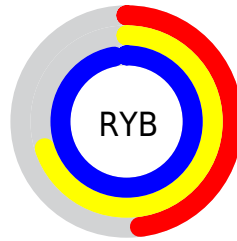
The XYZ color **51.8945, 64.7653, 98.5728** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **52.3511, 41.6139, 23.6872**, and the grayscale version is **52.8496, 55.6019, 60.5505**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **25.6341, 33.4548, 54.9755** is the 20% darker color. If you saturate the color by 10%, you get **47.6137, 60.7672, 98.0279**, and if you desaturate by 10%, it is **57.1076, 69.2951, 99.1735**.

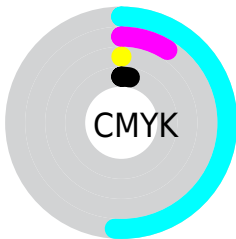
Distribution



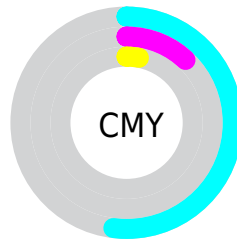
- Red (48%)
- Green (88%)
- Blue (97%)



- Red (48%)
- Yellow (70%)
- Blue (97%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)



- Cyan (52%)
- Magenta (12%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8945, 64.7653, 98.5728 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 51.8945, 64.7653, 98.5728 by changing the saturation by 10% instead.

51.8945, 64.7653,
98.5728

51.8945, 64.7653,
98.5728

384.3598,
441.9481, 576.8147

37.1449, 47.2708,
74.4989

92.1508, 111.7124,
161.2292

25.4939, 33.2498,
54.7032

118.3882,
141.9337, 200.6489

16.5761, 22.3179,
38.7672

149.1856,
177.1661, 246.0208

10.0262, 14.0906,
26.2722

184.9083,
217.7940, 297.7637

5.4787, 8.1837,
16.7998

225.9218,
264.2018, 356.2960

2.5684, 4.2127,
9.9314

272.5913,

0.9299, 1.7933,

316.7738, 422.0362

5.2485

325.2822,
375.8944, 495.4029

■ 0.0000, 0.4830,
2.3325

■ 0.0000, 0.0000,
0.7493

■ 51.8945, 64.7653,
98.5728

■ 51.8945, 64.7653,
98.5728

■ 47.6137, 60.7672,
98.0279

■ 57.1076, 69.2951,
99.1735

■ 44.1894, 57.2569,
97.5308

■ 63.3095, 74.3817,
99.8285

■ 41.5435, 54.1954,
97.0793

■ 70.5590, 80.0573,
100.5419

■ 39.5802, 51.5328,
96.6689

■ 78.9088, 86.3493,
101.3163

■ 38.2367, 49.3638,
96.3210

■ 88.4078, 93.2834,
102.1541

■ 93.0455, 97.7613,
102.7739

■ 93.9435, 99.5574,
103.0733

Harmonies

Analogous

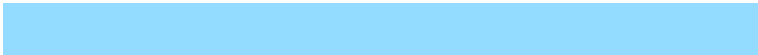
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.2687, 64.7653, 77.7608



51.8945, 64.7653, 98.5728



57.1790, 64.7653, 113.3634

Triad

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



51.8945, 64.7653, 98.5728



75.1107, 64.7653, 84.1639



59.1429, 64.7653, 39.0457

Complementary

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



51.8945, 64.7653, 98.5728



52.3511, 41.6139, 23.6872

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.



66.1540, 64.7653, 40.1106



51.8945, 64.7653, 98.5728



75.7365, 64.7653, 63.7403

Square

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



51.8945, 64.7653, 98.5728



70.7009, 64.7653, 104.0162



72.3512, 64.7653, 48.3665



53.2384, 64.7653, 45.1163

Rectangle

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



51.8945, 64.7653, 98.5728



61.6731, 64.7653, 116.4196



72.3512, 64.7653, 48.3665



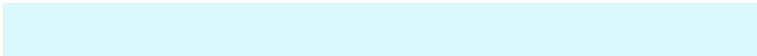
61.4420, 64.7653, 38.6143

Sweetspot

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



51.8965, 64.7678, 98.5743



80.1640, 89.0795, 107.5767



46.5530, 73.2570, 37.6750



16.7580, 18.7647, 22.9886



0.0000, 0.0000, 0.0000



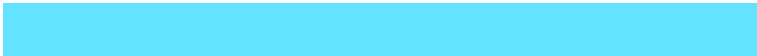
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8965, 64.7678, 98.5743



50.6068, 64.6218, 104.4137



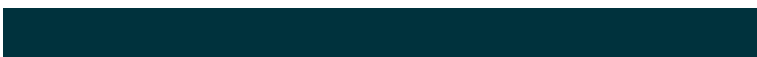
38.2466, 37.4678, 94.0243



17.4806, 19.0381, 22.1387



20.7508, 26.8572, 52.0638



1.9896, 2.6228, 4.8446

Inverse Universe

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



59.2632, 39.3136, 75.7015



59.5556, 35.7936, 76.1594



64.2971, 65.5060, 27.6693



17.8491, 17.4670, 21.0613



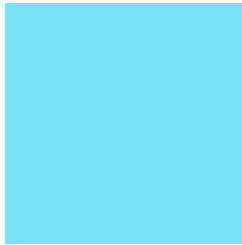
26.7661, 13.1222, 31.8062



2.5132, 1.2290, 3.1257

Previews

White Background



This preview shows how the XYZ color 51.8945, 64.7653, 98.5728 looks on a white background.

Color Contrast Check

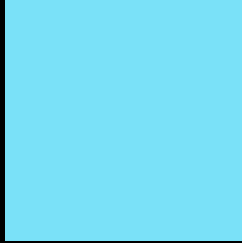
Large Text (above 18pt) WCAG AA × Fail

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 51.8945, 64.7653, 98.5728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

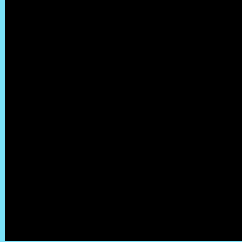
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8945, 64.7653, 98.5728

Background



This preview shows how black text looks on a background with the XYZ color 51.8945, 64.7653, 98.5728.



This preview shows how white text looks on a background with the XYZ color 51.8945, 64.7653,

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

51.8945, 64.7653, 98.5728

Protanopia

63.0188, 64.2053, 89.1922

Deuteranopia

65.4144, 64.1008, 101.0204



Tritanopia

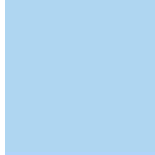
51.4106, 64.9893, 95.4225

Trichromacy



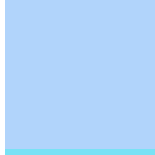
Original Color

51.8945, 64.7653, 98.5728



Protanomaly

57.6029, 63.5580, 92.4510



Deuteranomaly

59.0875, 63.3991, 100.3898



Tritanomaly

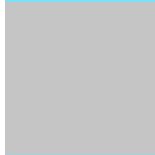
51.5629, 65.0502, 96.2245

Monochromacy



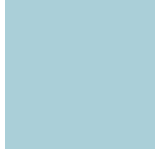
Original Color

51.8945, 64.7653, 98.5728



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.2851, 58.1296, 73.4829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8945, 64.7653, 98.5728 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(122, 225, 248)` looks like.

```
.text, #text, p{  
    color:rgb(122, 225, 248)  
}
```

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(122, 225, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 225, 248) }
```

Border

The CSS property to change the border of an element to XYZ 51.8945, 64.7653, 98.5728 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(122, 225, 248) }
```


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

```
.border{ border-color:rgb(122, 225, 248) }
```

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

Here you see how a box with a 4 pixel rgb(122, 225, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 225, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 225, 248);  
box-shadow:4px 4px 4px 4px rgb(122, 225,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8945, 64.7653, 98.5728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 225, 248) }
```

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

```
.background{ background-color: rgb(122,  
225, 248) }
```

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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