

Converting Colors

XYZ(50.1303, 70.2484, 54.8116)

Have a look what the booklet for
XYZ(50.1303, 70.2484, 54.8116)
contains.

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Color

**XYZ(50.0704, 70.2361,
54.6340)**

Conversions

Conversions Part 1

Format	Color
Hex	8EEE85
RGB	142, 238, 181
RGB Percent	56%, 93%, 71%
CMY	0.4431, 0.0666, 0.2902
CMYK	0.40, 0.00, 0.24, 0.07
HSL	144°, 74%, 75%
HSV	144°, 40%, 93%
XYZ	50.0704, 70.2361, 54.6340
YIQ	202.7980, -38.9190, -38.0790

Conversions

Conversions Part 2

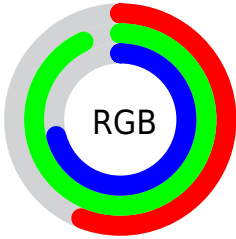
Format	Color
RYB	142, 210, 238
Decimal	9367221
CIELab	87.11, -40.63, 18.85
CIELCh	87, 44.795, 155.110
Yxy	70.2361, 0.2862, 0.4015
Android (android.graphics.Color)	4287557301 (0xFF8EEEB5)
YUV	202.7980, -10.7464, -53.3198
Hunter-Lab	83.8070, -40.0176, 20.0136

Details

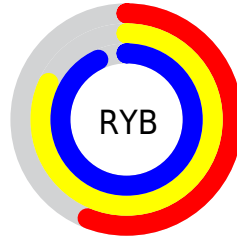
The XYZ color **50.0704, 70.2361, 54.6340** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.2441, 41.6483, 59.1629**, and the grayscale version is **56.7223, 59.6763, 64.9875**.

A 20% lighter version of the original color is **74.5992, 89.7765, 93.5176**, and **24.2579, 36.5847, 26.2051** is the 20% darker color. If you saturate the color by 10%, you get **45.0376, 67.8026, 47.2099**, and if you desaturate by 10%, it is **56.1259, 73.1836, 62.8769**.

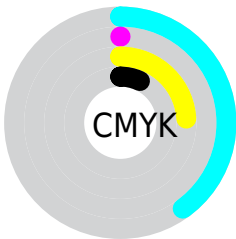
Distribution



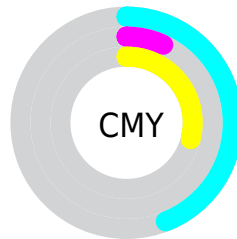
- Red (56%)
- Green (93%)
- Blue (71%)



- Red (56%)
- Yellow (82%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)





- Cyan (44%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0704, 70.2361, 54.6340 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 50.0704, 70.2361, 54.6340 by changing the saturation by 10% instead.

 50.0704, 70.2361,
54.6340


 50.0704, 70.2361,
54.6340


377.3886,
461.3786, 421.7658

 35.6874, 51.7190,
38.7121


 89.4704, 119.5454,
98.4703

 24.3618, 36.7812,
26.2298


 115.2180,
151.1064, 127.2218

 15.7284, 25.0381,
16.7683


145.4846,
187.7842, 161.0869

 9.4218, 16.1054,
9.9092

180.6354,
229.9632, 200.4842

 5.0766, 9.5988,
5.2340

221.0359,
278.0277, 245.8322

 2.3275, 5.1338,
2.3241

267.0513,

 0.8087, 2.3260,

332.3621, 297.5494

0.7447

319.0471,
393.3510, 356.0545

■ 0.0000, 0.7874,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.0704, 70.2361,
54.6340

■ 50.0704, 70.2361,
54.6340

■ 45.0376, 67.8026,
47.2099

■ 56.1259, 73.1836,
62.8769

■ 40.9614, 65.8440,
40.5742

■ 63.2536, 76.6645,
71.9581

■ 37.7767, 64.3289,
34.7014

■ 71.5066, 80.7075,
81.9026

■ 35.4072, 63.2186,
29.5629

■ 80.9326, 85.3368,
92.7328

■ 33.7624, 62.4672,
25.1279

■ 89.3329, 89.4185,
104.3652

■ 32.7190, 62.0090,
21.4773

■ 89.8659, 89.6317,
107.1720

Harmonies

Analogous

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



55.8081, 70.2361, 38.2633



50.0704, 70.2361, 54.6340



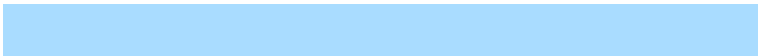
48.6035, 70.2361, 81.7401

Triad

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



50.0704, 70.2361, 54.6340



68.5712, 70.2361, 149.7118



84.6683, 70.2361, 47.8129

Complementary

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



50.0704, 70.2361, 54.6340



55.2441, 41.6483, 59.1629

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.



88.9476, 70.2361, 71.4413



50.0704, 70.2361, 54.6340



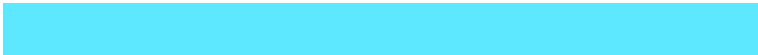
79.0524, 70.2361, 134.1819

Square

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



50.0704, 70.2361, 54.6340



58.6172, 70.2361, 141.8118



86.7922, 70.2361, 103.4767



75.6181, 70.2361, 35.1093

Rectangle

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



50.0704, 70.2361, 54.6340



50.0974, 70.2361, 103.7224



86.7922, 70.2361, 103.4767



86.7533, 70.2361, 54.4738

Sweetspot

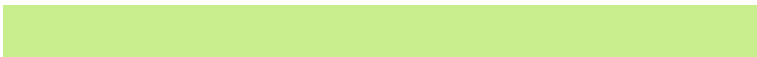
The Sweet Spot groups the original color and five complimentary colors.



50.0723, 70.2390, 54.6356



81.8860, 93.5358, 93.7297



59.1722, 75.3296, 37.0134



17.2461, 19.8828, 19.7280



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.



50.0723, 70.2390, 54.6356



53.8468, 79.8648, 57.0090



55.7914, 72.5266, 84.7519



15.8320, 17.7628, 18.1384



18.3134, 34.6174, 12.2991



1.5716, 2.8991, 1.2764

Inverse Universe

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



55.2441, 41.6483, 59.1629



60.6257, 42.3469, 62.9111



50.5697, 39.7786, 34.5480



16.1667, 15.9164, 18.4341



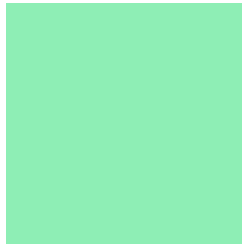
22.4326, 11.2455, 15.4604



1.9154, 0.9552, 1.5451

Previews

White Background



This preview shows how the XYZ color 50.0704, 70.2361, 54.6340 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 50.0704, 70.2361, 54.6340 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

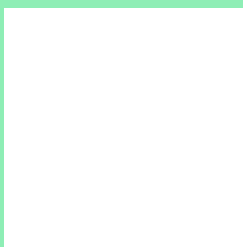
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0704, 70.2361, 54.6340

Background



This preview shows how black text looks on a background with the XYZ color 50.0704, 70.2361, 54.6340.



This preview shows how white text looks on a background with the XYZ color 50.0704, 70.2361,

54.6340.

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

50.0704, 70.2361, 54.6340

Protanopia

65.1185, 69.5549, 48.5214

Deuteranopia

70.8370, 69.3285, 56.6619



Tritanopia

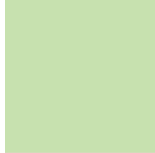
58.8672, 69.9840, 99.2126

Trichromacy



Original Color

50.0704, 70.2361, 54.6340



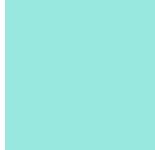
Protanomaly

58.2163, 69.0877, 50.8244



Deuteranomaly

60.9285, 68.3908, 55.8884



Tritanomaly

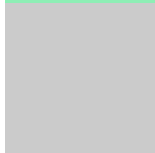
55.2601, 69.7704, 81.0755

Monochromacy



Original Color

50.0704, 70.2361, 54.6340



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.4622, 62.8756, 60.9482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0704, 70.2361, 54.6340 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(142, 238, 181)` looks like.

```
.text, #text, p{  
    color:rgb(142, 238, 181)  
}
```

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(142, 238, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 238, 181) }
```

Border

The CSS property to change the border of an element to XYZ 50.0704, 70.2361, 54.6340 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(142, 238, 181) }
```


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

```
.border{ border-color:rgb(142, 238, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 238, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 238, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 238, 181);  
box-shadow:4px 4px 4px 4px rgb(142, 238,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0704, 70.2361, 54.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 238, 181) }
```

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

```
.background{ background-color: rgb(142,  
238, 181) }
```

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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