

Converting Colors

XYZ(47.0935, 65.9237, 53.6422)

Have a look what the booklet for
XYZ(47.0935, 65.9237, 53.6422)
contains.

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Color

**XYZ(46.9675, 65.6814,
53.3823)**

Conversions

Conversions Part 1

Format	Color
Hex	88E7B4
RGB	136, 231, 180
RGB Percent	53%, 91%, 71%
CMY	0.4667, 0.0941, 0.2941
CMYK	0.41, 0.00, 0.22, 0.09
HSL	148°, 66%, 72%
HSV	148°, 41%, 91%
XYZ	46.9675, 65.6814, 53.3823
YIQ	196.7810, -40.2490, -36.0010

Conversions

Conversions Part 2

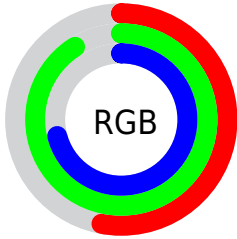
Format	Color
RYB	136, 201, 231
Decimal	8972212
CIELab	84.83, -39.33, 16.15
CIELCh	85, 42.517, 157.680
Yxy	65.6814, 0.2829, 0.3956
Android (android.graphics.Color)	4287162292 (0xFF88E7B4)
YUV	196.7810, -8.2730, -53.3049
Hunter-Lab	81.0441, -38.3809, 17.6776

Details

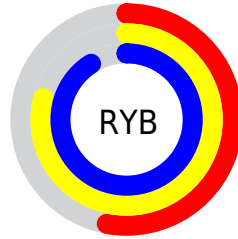
The XYZ color **46.9675, 65.6814, 53.3823** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.7310, 38.1867, 51.7133**, and the grayscale version is **53.0060, 55.7664, 60.7296**.

A 20% lighter version of the original color is **72.8926, 88.9136, 92.6771**, and **22.4690, 33.8977, 25.4373** is the 20% darker color. If you saturate the color by 10%, you get **42.4053, 63.4708, 46.8669**, and if you desaturate by 10%, it is **52.4548, 68.3594, 60.5339**.

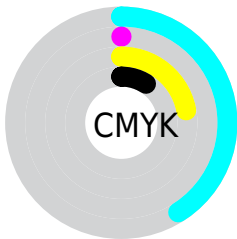
Distribution



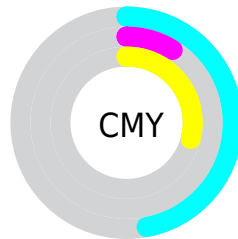
- Red (53%)
- Green (91%)
- Blue (71%)



- Red (53%)
- Yellow (79%)
- Blue (91%)



- Cyan (41%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9675, 65.6814, 53.3823 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 46.9675, 65.6814, 53.3823 by changing the saturation by 10% instead.


 46.9675, 65.6814,
53.3823


 46.9675, 65.6814,
53.3823


365.3359,
445.2366, 416.8580


 33.2178, 48.0138,
37.7182


 84.8841, 113.0289,
96.6139

 22.4534, 33.8378,
25.4639

 109.7818,
143.4777, 125.0186

 14.3089, 22.7690,
16.2009


 139.1262,
178.9556, 158.5071

 8.4189, 14.4231,
9.5105

173.2826,
219.8471, 197.4982

 4.4182, 8.4155,
4.9743

212.6164,
266.5365, 242.4102

 1.9413, 4.3619,
2.1737

257.4930,

 0.6007, 1.8780,

319.4083, 293.6619

0.6591

308.2777,
378.8469, 351.6716

■ 0.0000, 0.5351,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.9675, 65.6814,
53.3823

■ 46.9675, 65.6814,
53.3823

■ 42.4053, 63.4708,
46.8669

■ 52.4548, 68.3594,
60.5339

■ 38.7074, 61.6912,
40.9654


■ 58.9125, 71.5225,
68.3346


■ 35.8140, 60.3141,
35.6603


■ 66.3891, 75.1972,
76.8022

■ 33.6546, 59.3033,
30.9314


■ 74.9284, 79.4056,
85.9526

 32.1456, 58.6162,
26.7574

 84.5713, 84.1687,
95.8011

 31.2304, 58.2156,
23.4974

 87.7725, 85.5965,
106.0075

 87.8671, 85.6343,
106.5057

Harmonies

Analogous

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



51.8859, 65.6814, 37.5084



46.9675, 65.6814, 53.3823



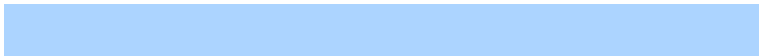
45.9750, 65.6814, 78.7593

Triad

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



46.9675, 65.6814, 53.3823



64.9086, 65.6814, 137.1356



78.0796, 65.6814, 43.9995

Complementary

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



46.9675, 65.6814, 53.3823



50.7310, 38.1867, 51.7133

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.



82.4018, 65.6814, 64.7308



46.9675, 65.6814, 53.3823



74.3097, 65.6814, 121.5985

Square

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



46.9675, 65.6814, 53.3823



55.7255, 65.6814, 131.8632



80.9563, 65.6814, 93.3511



69.6479, 65.6814, 33.1306

Rectangle

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



46.9675, 65.6814, 53.3823



47.5689, 65.6814, 98.7632



80.9563, 65.6814, 93.3511



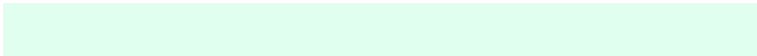
80.0984, 65.6814, 49.8064

Sweetspot

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



46.9693, 65.6841, 53.3838



82.1414, 93.6380, 95.0750



53.8228, 69.6555, 33.9015



17.3061, 19.9068, 20.0440



0.0000, 0.0000, 0.0000



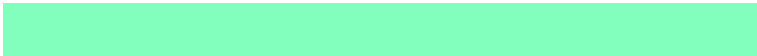
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9693, 65.6841, 53.3838



54.0420, 79.8972, 60.1050



52.4933, 67.8937, 82.4727



14.4656, 16.1997, 16.7169



17.5687, 32.6596, 13.4952



1.3448, 2.4320, 1.2421

Inverse Universe

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



50.7310, 38.1867, 51.7133



59.3223, 41.2758, 57.7420



46.5502, 36.5143, 29.6973



14.6989, 14.4967, 16.6146



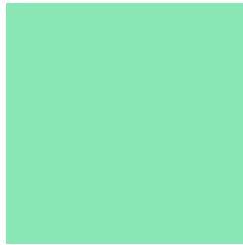
20.5785, 10.3656, 11.9412



1.5675, 0.7847, 1.1289

Previews

White Background



This preview shows how the XYZ color 46.9675, 65.6814, 53.3823 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 46.9675, 65.6814, 53.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

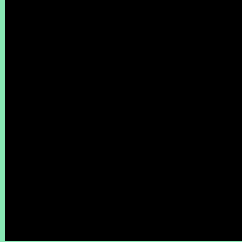
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9675, 65.6814, 53.3823

Background



This preview shows how black text looks on a background with the XYZ color 46.9675, 65.6814, 53.3823.

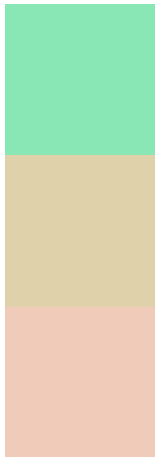


This preview shows how white text looks on a background with the XYZ color 46.9675, 65.6814,

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

46.9675, 65.6814, 53.3823

Protanopia

60.7337, 64.6834, 47.3144

Deuteranopia

66.1540, 64.7823, 55.4719



Tritanopia

54.8425, 65.6103, 92.9926

Trichromacy



Original Color

46.9675, 65.6814, 53.3823



Protanomaly

54.1972, 64.2752, 49.5942



Deuteranomaly

56.8031, 63.6057, 54.6307



Tritanomaly

51.6596, 65.5269, 76.9430

Monochromacy



Original Color

46.9675, 65.6814, 53.3823



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.8836, 58.4765, 57.9482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9675, 65.6814, 53.3823 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(136, 231, 180)` looks like.

```
.text, #text, p{  
    color:rgb(136, 231, 180)  
}
```

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(136, 231, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 231, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.9675, 65.6814, 53.3823 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(136, 231, 180) }
```


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

```
.border{ border-color:rgb(136, 231, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 231, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 231, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 231, 180);  
box-shadow:4px 4px 4px 4px rgb(136, 231,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9675, 65.6814, 53.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 231, 180) }
```

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

```
.background{ background-color: rgb(136,  
231, 180) }
```

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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